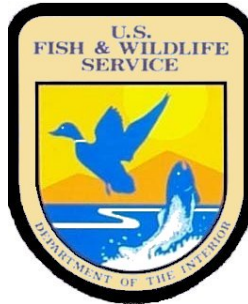


The Road Inventory of Umatilla National Wildlife Refuge Irrigon, OR



Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
February 2013



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INTRODUCTION

The Transportation Equity Act for the 21st Century (Public Law 105-178) created the Refuge Roads Program. Refuge roads are those public roads that provide access to or within a unit of the National Wildlife Refuge System and for which title and maintenance responsibility is vested in the United States Government. Funds from the Highway Trust Fund are available for refuge roads and can be used by the station to pay the cost of:

- (a) Maintenance and improvements of refuge roads.
- (b) Maintenance and improvements of:
 - (1) Adjacent vehicle parking areas
 - (2) Provision for pedestrians and bicycles and
 - (3) Construction and reconstruction of roadside rest areas that are located in or adjacent to wildlife refuges
- (c) Administrative costs associated with such maintenance and improvements.

The funds available for refuge roads are to be disbursed based on the relative needs of the various refuges in the National Wildlife Refuge System, and taking into consideration:

- (a) The comprehensive conservation plan for each refuge;
- (b) The need for access as identified through land use planning; and
- (c) The impact of land use planning on existing transportation facilities.

To determine the relative needs of the U.S. Fish and Wildlife Service, the Federal Highway Administration (FHWA) was asked to inventory all public access roads and parking lots and provide a condition assessment of each. In 2008 the inventory was expanded to include administrative (service use only) roads and parking lots. An FHWA representative meets with refuge personnel to identify route segments and assign route numbers and functional classifications (See Appendix) for each route. All roads and parking lots are mapped using Trimble GPS units and visually assessed for condition using the RSL method of evaluation developed at Utah State University (See Appendix). Culverts, Gates, Guardrails and Low Water Crossings are also mapped and inspected for any obvious defects.

An estimate is provided, in year 2008 dollars, based on the condition determined by the rating system. Estimates are based upon data and location factors from the 2008 RS Means Heavy Construction Cost Data 22nd Annual Edition. Cost estimates should be evaluated on a case-by-case basis when being used for programming purposes.

Native Surfaced roads and parking lots already inventoried will not be re-inventoried and will not appear individually in report chapters 5, 6 and 8. Mileages and areas of native surfaced roads and parking lots will still appear in all summaries in the report and will remain in the road inventory database. In addition to this report, the FHWA will furnish the condition ratings of each route and segment to the Fish and Wildlife Service in a Microsoft Access database so the data can be included in their Real Property Inventory.

Umatilla - 13580 Summaries

Route Miles and Percentages by Functional Class and Condition

Condition Rating (Based on RSL)*

F. C.	Excellent		Good		Fair		Poor		Failed		TOTAL MILES
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
I	0.00	0.0%	4.18	85.5%	0.00	0.0%	0.71	14.5%	0.00	0.0%	4.88
II	0.00	0.0%	7.52	77.7%	0.67	6.9%	1.50	15.5%	0.00	0.0%	9.68
III	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00
IV	0.00	0.0%	1.91	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	1.91
V	0.09	1.2%	6.13	80.1%	1.43	18.7%	0.00	0.0%	0.00	0.0%	7.66
Totals	0.09	0.4%	19.74	81.8%	2.10	8.7%	2.21	9.1%	0.00	0.0%	24.14

*For a description of condition ratings for the various surface types see the Appendix.

Route Miles and Percentages by Surface Type and Condition

Paved Condition Rating [Condition(RSL)]

Surface	Excellent		Good		Fair		Poor		Failed		TOTAL MILES
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
AS	0.00	0.0%	0.00	0.0%	0.67	23.2%	2.21	76.8%	0.00	0.0%	2.87
CO	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00
Totals	0.00	0.0%	0.00	0.0%	0.67	23.2%	2.21	76.8%	0.00	0.0%	2.87

Unpaved Condition Rating [Condition(RSL)]

Surface	Excellent		Good		Fair		Poor		Failed		TOTAL MILES
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
GR	0.09	0.5%	16.99	98.0%	0.25	1.5%	0.00	0.0%	0.00	0.0%	17.33
NA	0.00	0.0%	2.75	69.9%	1.18	30.1%	0.00	0.0%	0.00	0.0%	3.93
PR	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00
Totals	0.09	0.4%	19.74	92.8%	1.43	6.7%	0.00	0.0%	0.00	0.0%	21.27

Square Footage (Parking Areas)

Condition Rating

Surface	Excellent		Good		Fair		Poor		Failed		Total SQ FT
	SQ FT	%	SQ FT	%	SQ FT	%	SQ FT	%	SQ FT	%	
AS	0	0.0%	0	0.0%	1,955	100.0%	0	0.0%	0	0.0%	1,955
CO	574	32.6%	1,187	67.4%	0	0.0%	0	0.0%	0	0.0%	1,761
GR	29,896	6.5%	319,829	69.3%	111,473	24.2%	0	0.0%	0	0.0%	461,198
NA	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
PR	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Totals	30,470	6.6%	321,016	69.0%	113,428	24.4%	0	0.0%	0	0.0%	464,914

Umatilla - 13580

Summaries

Route Miles and Percentages by Use Type and Condition

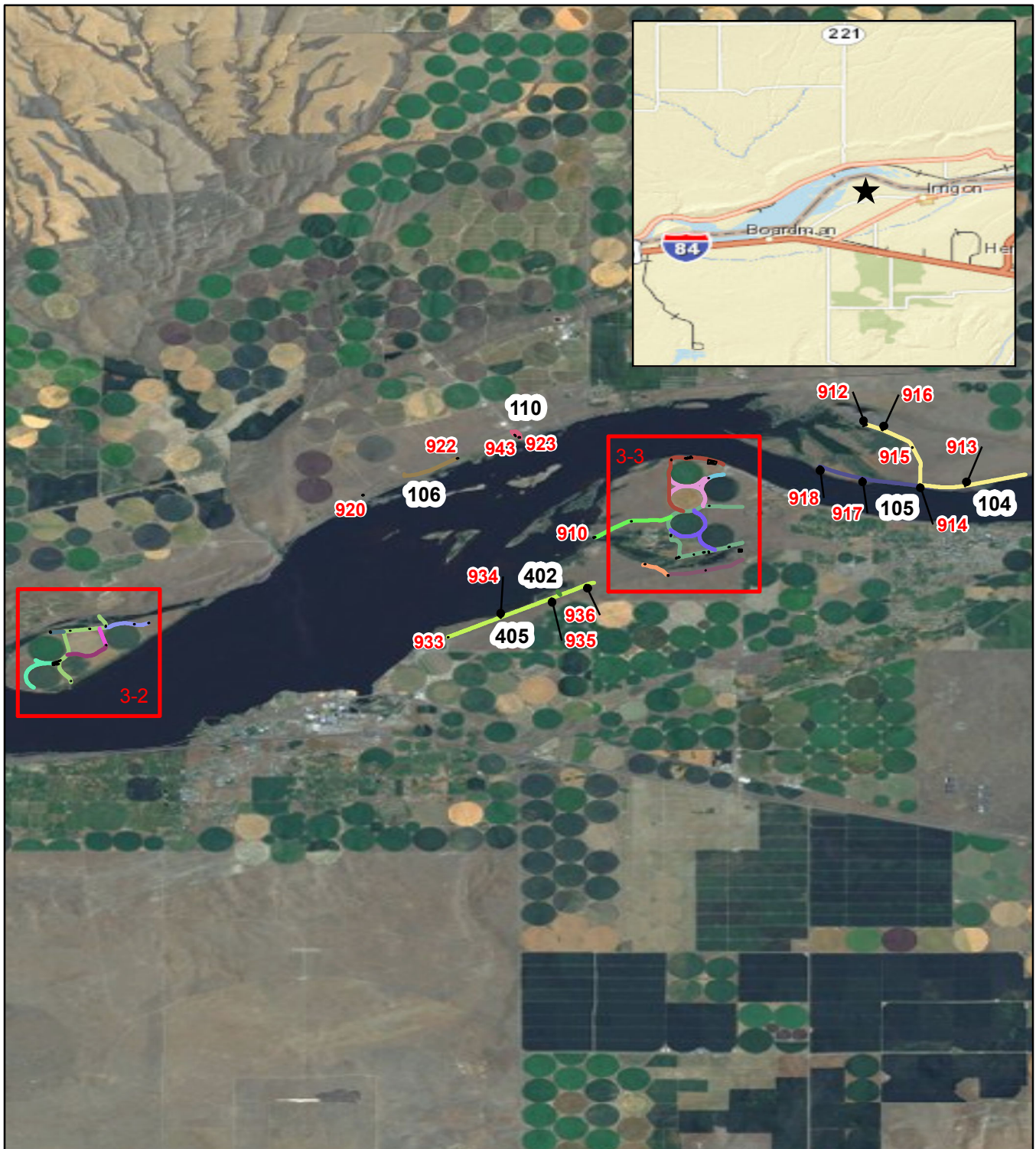
Road Condition Rating: Public/Administrative Use

USE TYPE	Excellent		Good		Fair		Poor		Failed		TOTAL MILES
	MILES	%	MILES	%	MILES	%	MILES	%	MILES	%	
Public (FC I-III)	0.00	0.0%	11.70	80.3%	0.67	4.6%	2.21	15.1%	0.00	0.0%	14.57
Admin (FC IV-V)	0.09	0.9%	8.05	84.1%	1.43	15.0%	0.00	0.0%	0.00	0.0%	9.57
Totals	0.09	0.4%	19.74	81.8%	2.10	8.7%	2.21	9.1%	0.00	0.0%	24.14

Parking Condition Rating: Public/Administrative Use

USE TYPE	Excellent		Good		Fair		Poor		Failed		Total Sq Ft
	Sq Ft	%	Sq Ft	%	Sq Ft	%	Sq Ft	%	Sq Ft	%	
Public	11973	5.7%	153767	73.4%	43725	20.9%	0	0.0%	0	0.0%	209,465
Admin	18497	7.2%	167249	65.5%	69703	27.3%	0	0.0%	0	0.0%	255,449
Totals	30,470	6.6%	321,016	69.0%	113,428	24.4%	0	0.0%	0	0.0%	464,914

Umatilla National Wildlife Refuge Route Location Map



Umatilla National Wildlife Refuge

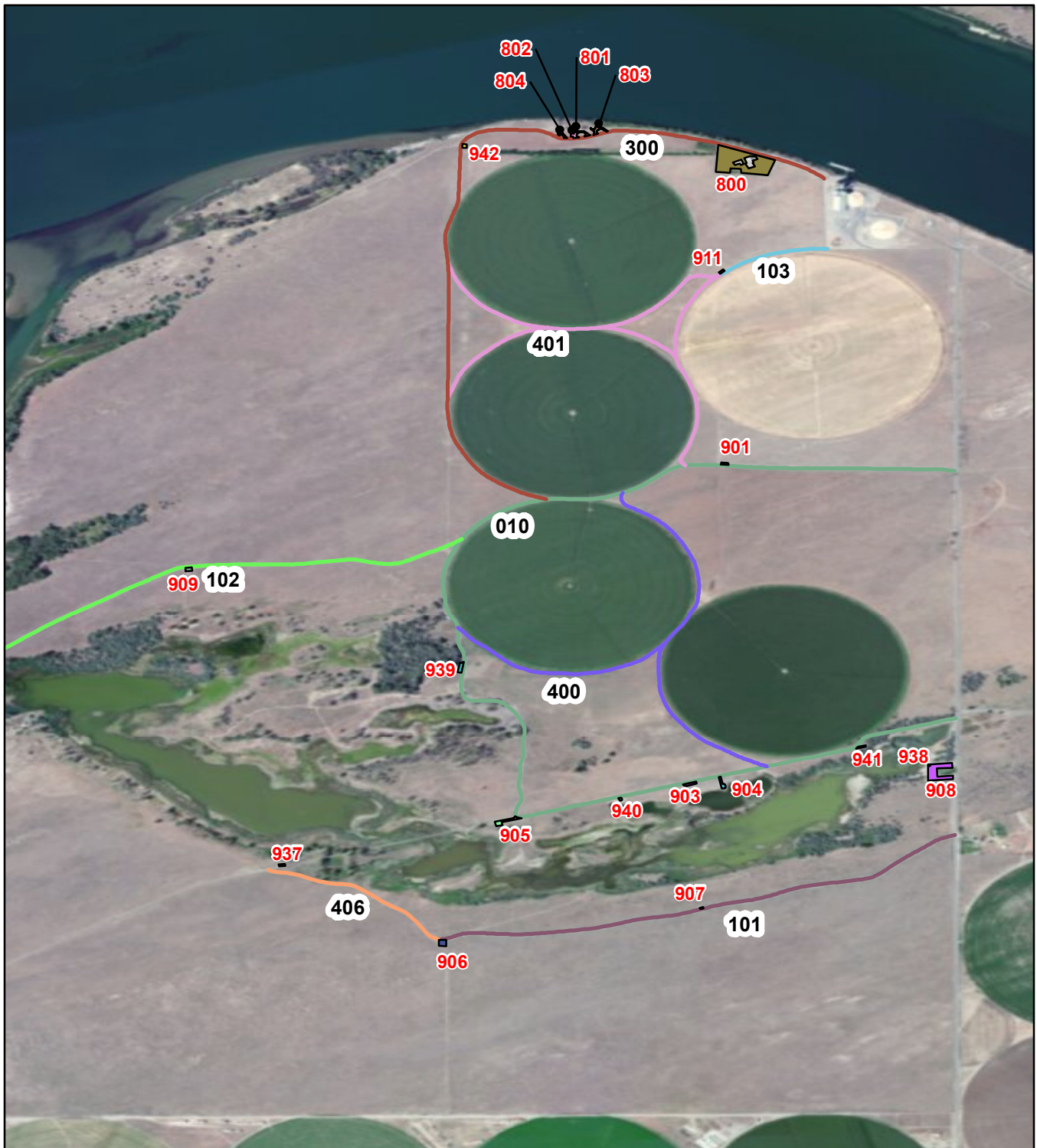
Route Location Map



0 0.125 0.25 0.5 0.75 1 Miles

Umatilla National Wildlife Refuge

Route Location Map



Umatilla NWR - 13580

Route Identification List

Shading Color Key:

White = Paved Routes
Yellow = Unpaved Routes

RTE #	Asset Number	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MI	UN-PAVED MI	LANES	FC
010	-	Auto Tour Route	2.91	From Paterson Ferry Road to end of loop at Paterson Ferry Road	0.71	2.20	2	1
011	10004303	Whitcomb Island Road	1.97	From State Highway 14 to end of loop	-	1.97	2	1
101	-	Heritage Trail Road	1.11	From Paterson Ferry Road to Heritage Trail East Service Road (Route 406)	-	1.11	2	2
102	10004299	McCormick Slough West Road	1.18	From Auto Tour Route (Route 010) to Parking Lot I (Route 910)	-	1.18	2	2
103	-	McCormick North Road	0.24	From Riverview Lane to North Service Access Road (Route 401)	-	0.24	2	2
104	10004324	Paterson Unit Access Road	3.07	From west of Christie Road to Paterson Slough Boat Launch (Route 912)	1.49	1.58	2	2
105	10004327	Paterson Slough South Road	1.67	From Paterson Unit Access Road (Route 104) to Paterson Slough Parking #6 (Route 918)	0.67	1.00	2	2
106	10004317	West Ridge Unit Access Road	0.87	From State Highway 14 to Ridge Unit Parking #2 (Route 922)	-	0.87	1	2
107	10004304	Whitcomb West Spur Road	0.18	From Whitcomb Island Road (Route 011) to Whitcomb Parking #3 (Route 927)	-	0.18	2	2
108	10004305	Whitcomb Middle Road	0.36	From Whitcomb Island Road (Route 011) to Whitcomb Middle Administrative Road (Route 404)	-	0.36	2	2
109	10004306	Whitcomb East Spur Road	0.63	From Whitcomb Island Road (Route 011) to Whitcomb Parking #8 (Route 932)	-	0.63	1	2
110	-	East Ridge Unit Access Road	0.38	From State Highway 14 to end of route at railroad	-	0.38	1	2
300	-	Maintenance/Shop Access Road	1.91	From Auto Tour Route (Route 010) to Riverview Lane	-	1.91	1	4
400	-	Farm Field Access Road	1.47	From Auto Tour Route (Route 010) to Auto Tour Route (Route 010)	-	1.47	1	5
401	-	North Service Access Road	1.77	From Auto Tour Route (Route 010) to Maintenance/Shop Access Road (Route 300)	-	1.77	1	5
402	-	Hunt Site 13 Access Road	0.09	From River Road (Route 405) to end of route at blind	-	0.09	1	5
403	-	Whitcomb Unit Field Access Road	0.94	From Whitcomb Administrative Parking (Route 804) to end of route	-	0.94	1	5
404	-	Whitcomb Middle Administrative Road	0.65	From Whitcomb Middle Road (Route 108) to Whitcomb Island Road (Route 011)	-	0.65	1	5
405	-	River Road	2.32	From refuge hiking trail to Parking Lot N (Route 933)	-	2.32	2	5
406	-	Heritage Trail East Service Road	0.42	From Heritage Trail Road (Route 101) to Parking Lot J (Route 937)	-	0.42	2	5

Umatilla - 13580

Route Identification List (Parking)

Shading Color Key:

White = Paved Routes
Green = Unpaved Routes

Route #	Asset Number	ROUTE NAME	Area (Sq Ft)	ROUTE DESCRIPTION	Surface Type
800	-	Maintenance/Shop Parking	163,802	From Maintenance/Shop Access Road (Route 300)	Gravel
801	-	Bunkhouse Handicap Parking	574	From Maintenance/Shop Access Road (Route 300)	Concrete
802	-	Bunkhouse Parking	8,925	From Maintenance/Shop Access Road (Route 300)	Gravel
803	-	Volunteer Parking	8,998	From Maintenance/Shop Access Road (Route 300)	Gravel
804	-	Residence Parking	3,447	From Maintenance/Shop Access Road (Route 300)	Gravel
805	-	Whitcomb Administrative Parking	69,703	From Whitcomb Island Road (Route 011)	Gravel
901	-	Parking Lot A	2,642	From Auto Tour Route (Route 010)	Gravel
903	-	Parking Lot D	4,549	From Auto Tour Route (Route 010)	Gravel
904	-	Pond Access Parking	5,263	From Auto Tour Route (Route 010)	Gravel
905	-	Parking Lot C	10,720	From Auto Tour Route (Route 010)	Gravel
906	-	Parking Lot F	7,426	From Heritage Trail Road (Route 101)	Gravel
907	-	Observation Deck Parking	790	From Heritage Trail Road (Route 101)	Concrete
908	-	Hunter Check Station Parking	44,139	From Paterson Ferry Road	Gravel
909	-	Parking Lot H	3,758	From McCormick Slough West Road (Route 102)	Gravel
910	-	Parking Lot I	12,525	From McCormick Slough West Road (Route 102)	Gravel
911	-	Parking Lot G	1,946	From McCormick North Road (Route 103)	Gravel
912	-	Paterson Slough Boat Launch	13,081	From Paterson Unit Access Road (Route 104)	Gravel
913	10050778	Paterson Slough Parking #1	1,486	From Paterson Unit Access Road (Route 104)	Gravel
914	10050778	Paterson Slough Parking #2	6,586	From Paterson Unit Access Road (Route 104)	Gravel
915	10050779	Paterson Slough Parking #3	3,938	From Paterson Unit Access Road (Route 104)	Gravel
916	10050780	Paterson Slough Parking #4	2,912	From Paterson Unit Access Road (Route 104)	Gravel
917	10050781	Paterson Slough Parking #5	2,974	From Paterson Slough South Road (Route 105)	Gravel
918	10050782	Paterson Slough Parking #6	7,779	From Paterson Slough South Road (Route 105)	Gravel
920	10004319	Ridge Unit Info West Parking	6,809	From State Highway 14	Gravel
922	10004319	Ridge Unit Parking #2	9,171	From West Ridge Unit Access Road (Route 106)	Gravel
923	10004320	Ridge Unit Info East Parking	5,706	From East Ridge Unit Access Road (Route 110)	Gravel
924	10004329	Whitcomb Unit Information Park	4,390	From Whitcomb Island Road (Route 011)	Gravel
925	10004307	Whitcomb Parking #1	2,244	From Whitcomb Island Road (Route 011)	Gravel
926	10004308	Whitcomb Parking #2	2,204	From Whitcomb Island Road (Route 011)	Gravel
927	10004309	Whitcomb Parking #3	7,035	From Whitcomb West Spur Road (Route 107)	Gravel
929	10004311	Whitcomb Parking #5	1,874	From Whitcomb Island Road (Route 011)	Gravel
930	10004312	Whitcomb Parking #6	2,122	From Whitcomb Middle Road (Route 108)	Gravel
931	10004314	Whitcomb Parking #7	2,142	From Whitcomb East Spur Road (Route 109)	Gravel

Umatilla - 13580

Route Identification List (Parking)

Shading Color Key:

White = Paved Routes
Green = Unpaved Routes

Route #	Asset Number	ROUTE NAME	Area (Sq Ft)	ROUTE DESCRIPTION	Surface Type
932	10004315	Whitcomb Parking #8	4,209	From Whitcomb East Spur Road (Route 109)	Gravel
933	-	Parking Lot N	1,766	From River Road (Route 405)	Gravel
934	-	Parking Lot M	2,744	From River Road (Route 405)	Gravel
935	-	Parking Lot L	3,619	From River Road (Route 405)	Gravel
936	-	Parking Lot K	2,347	From River Road (Route 405)	Gravel
937	-	Parking Lot J	2,099	From Heritage Trail East Service Road (Route 406)	Gravel
938	-	Hunter Check Station Restroom Handicap Parking	397	From Paterson Ferry Road	Concrete
939	-	Parking Lot B	6,354	From Auto Tour Route (Route 010)	Gravel
940	-	Fishing Area Parking Area	1,253	From Auto Tour Route (Route 010)	Gravel
941	-	Parking Lot E	1,955	From Auto Tour Route (Route 010)	Asphalt
942	-	Maintenance/Shop Hunt Blind Access Parking	2,764	From Maintenance/Shop Access Road (Route 300)	Gravel
943	-	Ridge Unit East Overlook Parking	3,747	From East Ridge Unit Access Road (Route 110)	Gravel

Changes to Fish and Wildlife Service Road Inventory

Umatilla NWR

Added

Rte #	Route Name	Description	Comments
110	East Ridge Unit Access Road	New Public Route	
300	Maintenance/Shop Access Road	New Administrative Route	
400	Farm Field Access Road	New Administrative Route	
401	North Service Access Road	New Administrative Route	
402	Hunt Site 13 Access Road	New Administrative Route	
403	Whitcomb Unit Field Access Road	New Administrative Route	
404	Whitcomb Middle Administrative Road	New Administrative Route	Formerly part of Whitcomb Middle Road (Route 108) no longer open to the public
405	River Road	New Administrative Route	Formerly part of Heritage Trail Road (Route 101) no longer open to the public
406	Heritage Trail East Service Road	New Administrative Route	
800	Maintenance/Shop Parking	New Administrative Route	
801	Bunkhouse Handicap Parking	New Administrative Route	
802	Bunkhouse Parking	New Administrative Route	
803	Volunteer Parking	New Administrative Route	
804	Residence Parking	New Administrative Route	
805	Whitcomb Administrative Parking	New Administrative Route	
938	Restroom Handicap Parking	New Public Route	
939	Parking Lot B	New Public Route	
940	Fishing Area Parking Area	New Public Route	
941	Parking Lot E	New Public Route	
942	Maintenance/Shop Hunt Blind Access Parking	New Public Route	
943	Ridge Unit East Overlook Parking	New Public Route	

Modified

Rte #	Route Name	Description	Comments
101	Heritage Trail Road	New Geometry	Part of the Cycle 3 Road has been closed to the public
102	McCormick Slough West Road	New Geometry	Resectioned
108	Whitcomb Middle Road	New Geometry	Part of the Cycle 3 Road has been closed to the public
901	Parking Lot A	Name Change	Changed to match refuge signs

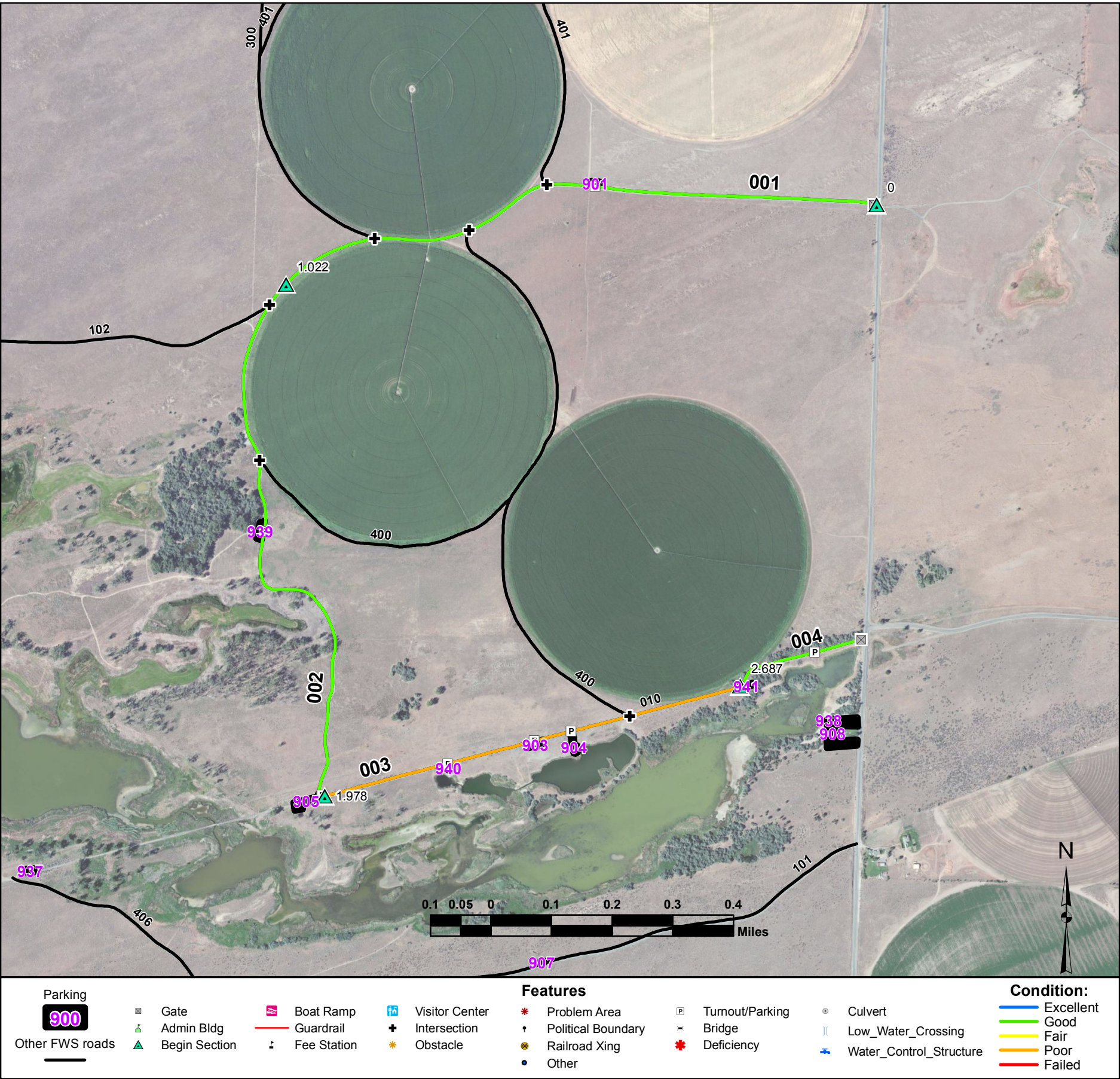
Umatilla NWR

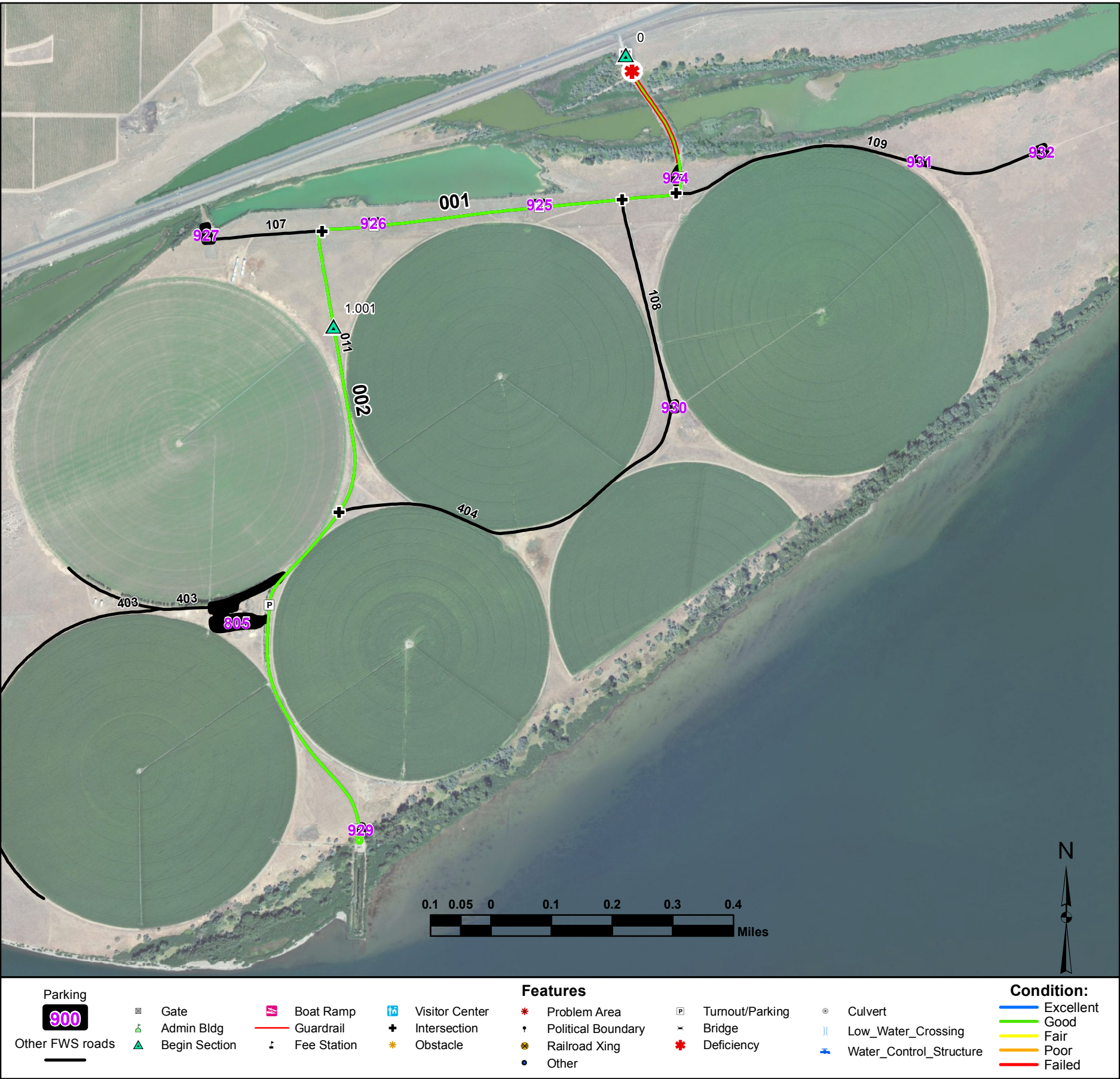
Modified

Rte #	Route Name	Description	Comments
904	Pond Access Parking	New Geometry and Name Changed	New GPS trace
905	Parking Lot C	New Geometry and Name Changed	Changed to match refuge signs
906	Parking Lot F	New Geometry and Name Changed	Changed to match refuge signs
908	Restroom Parking	New Geometry	Cut handicapped spot out of cycle 3 geometry
915	Paterson Slough Parking #3	New Geometry	Corrected Cycle 3 collection issues
920	Ridge Unit Info West Parking	New Geometry	Corrected Cycle 3 collection issues
923	Ridge Unit Info East Parking	New Geometry	Corrected Cycle 3 collection issues
927	Whitcomb Parking #3	New Geometry	Corrected Cycle 3 collection issues
933	Parking Lot N	Name Change	Name changed to match refuge signs
934	Parking Lot M	New Geometry and Name Changed	Name changed to match refuge signs , and cleaned up cycle 3 collection issues
935	Parking Lot L	New Geometry and Name Changed	Name changed to match refuge signs , and cleaned up cycle 3 collection issues
936	Parking Lot K	New Geometry and Name Changed	Name changed to match refuge signs , and cleaned up cycle 3 collection issues
937	Parking Lot J	New Geometry and Name Changed	Name changed to match refuge signs , and cleaned up cycle 3 collection issues

Removed

Rte #	Route Name	Description	Comments
100	Visitor Info Access	No longer in use	Refuge has closed access to this area
900	Visitor Information Parking	No longer in use	Section 001, Remove from inventory no longer in use
900	Visitor Information Parking	No longer in use	Section 002, Remove from inventory no longer in use
902	Parking Lot C	No longer in use	Remove from inventory no longer in use
928	Whitcomb Parking #4	No longer in use	Remove from inventory no longer in use





Whitcomb Island Road

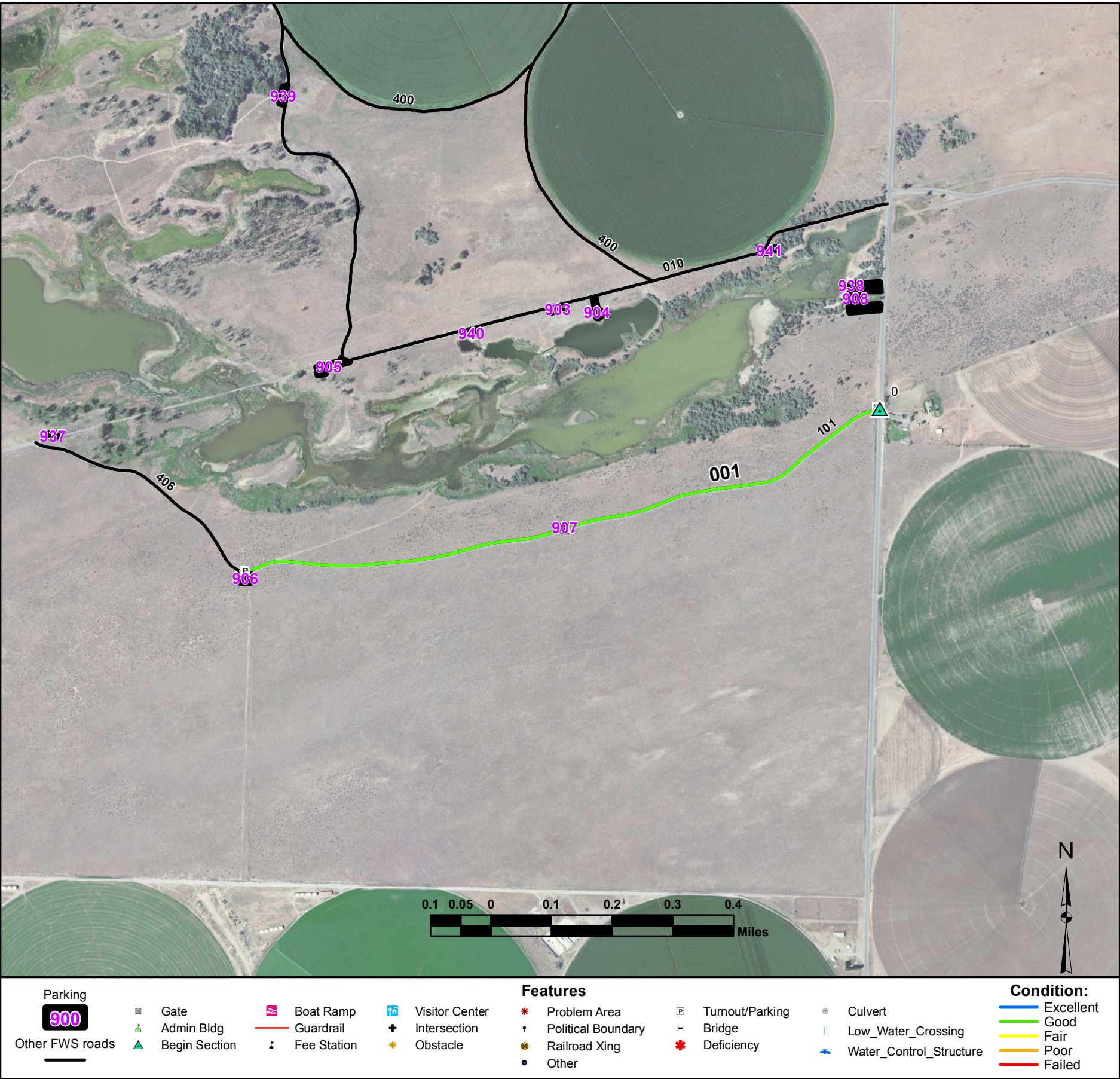
From State Highway 14 to end of loop

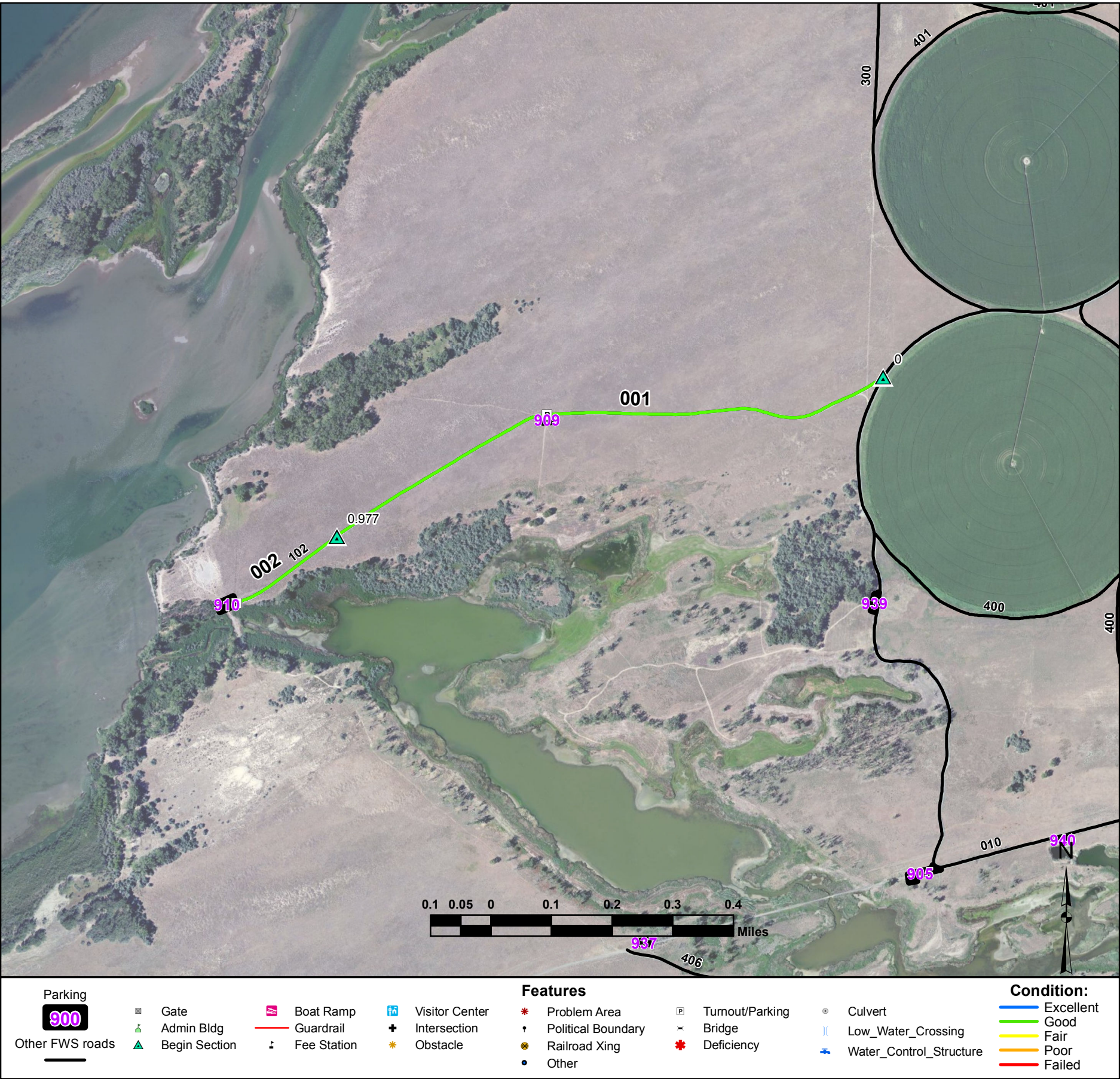
Route Number: 011

Total Route Mileage: 1.97

Asset Number	10004303	10004303			
Section Number	001	002			
Section Length (miles)	1.00	0.97			
Inspection Date	11-08-2012	11-08-2012			
Surface Type	Gravel	Gravel			
Number of Lanes	2	2			
Roadway Width (feet)	24	20			
Condition	Good	Good			
Remaining Service Life (years)	7	7			
Estimated Cost to Repair	\$1,800	\$1,800			
Current Replacement Value	\$774,700	\$750,100			

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Cattle Guard	001-0.0						
Deficiency Gate	001-0.0						
Begin Guardrail	001-0.0						
Begin Guardrail	001-0.0						
Turnout/Parking	001-0.19						
Intersection	001-0.22						
Intersection	001-0.32						
Turnout/Parking	001-0.47						
Turnout/Parking	001-0.78						
Intersection	001-0.87						
Begin Section	002-1.0						
Intersection	002-1.3						
Turnout/Parking	002-1.51						
Turnout/Parking	002-1.93						







Paterson Unit Access Road

From west of Christie Road to Paterson Slough Boat Launch (Route 912)

Route Number: 104

Total Route Mileage: 3.07

Asset Number	10004324	10004324	10004324	10004324	
Section Number	001	002	003	004	
Section Length (miles)	0.99	0.50	0.98	0.60	
Inspection Date	11-08-2012	11-08-2012	11-08-2012	11-08-2012	
Surface Type	Asphalt	Asphalt	Gravel	Gravel	
Number of Lanes	2	2	2	2	
Roadway Width (feet)	18	18	26	26	
Condition	Poor	Poor	Good	Good	
Remaining Service Life (years)	6	6	7	7	
Estimated Cost to Repair	\$657,500	\$332,200	\$1,800	\$1,100	
Current Replacement Value	\$1,334,600	\$674,200	\$758,500	\$461,900	

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Turnout/Parking	001-0.87						
Begin Section	002-0.99						
Intersection	002-1.31						
Begin Section	003-1.5						
Turnout/Parking	003-1.51						
Turnout/Parking	003-2.25						
Begin Section	004-2.48						
Turnout/Parking	004-2.83						
Turnout/Parking	004-3.07						



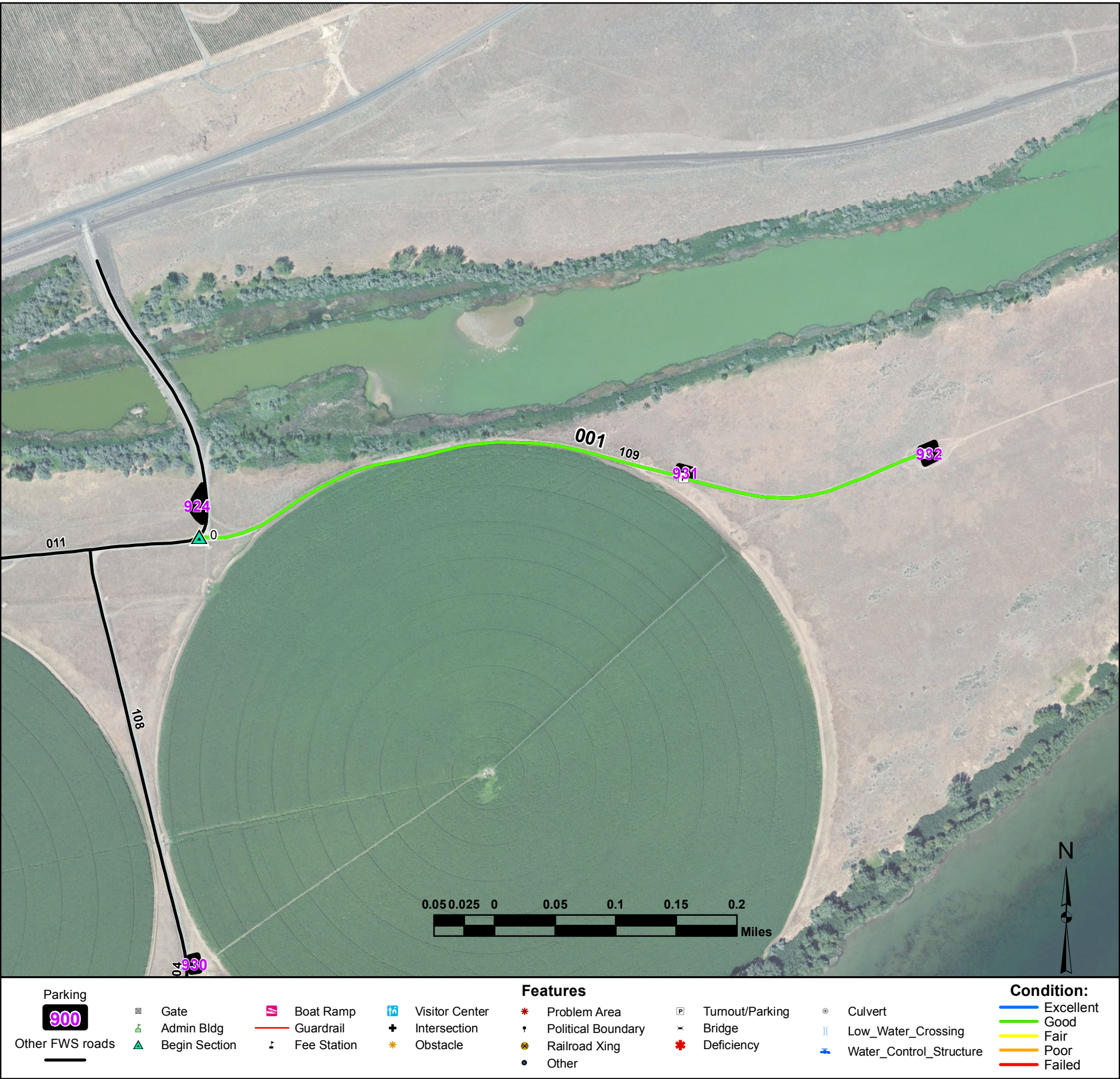
From Whitcomb Island Road (Route 011) to Whitcomb Middle Administrative Road (Route 404)

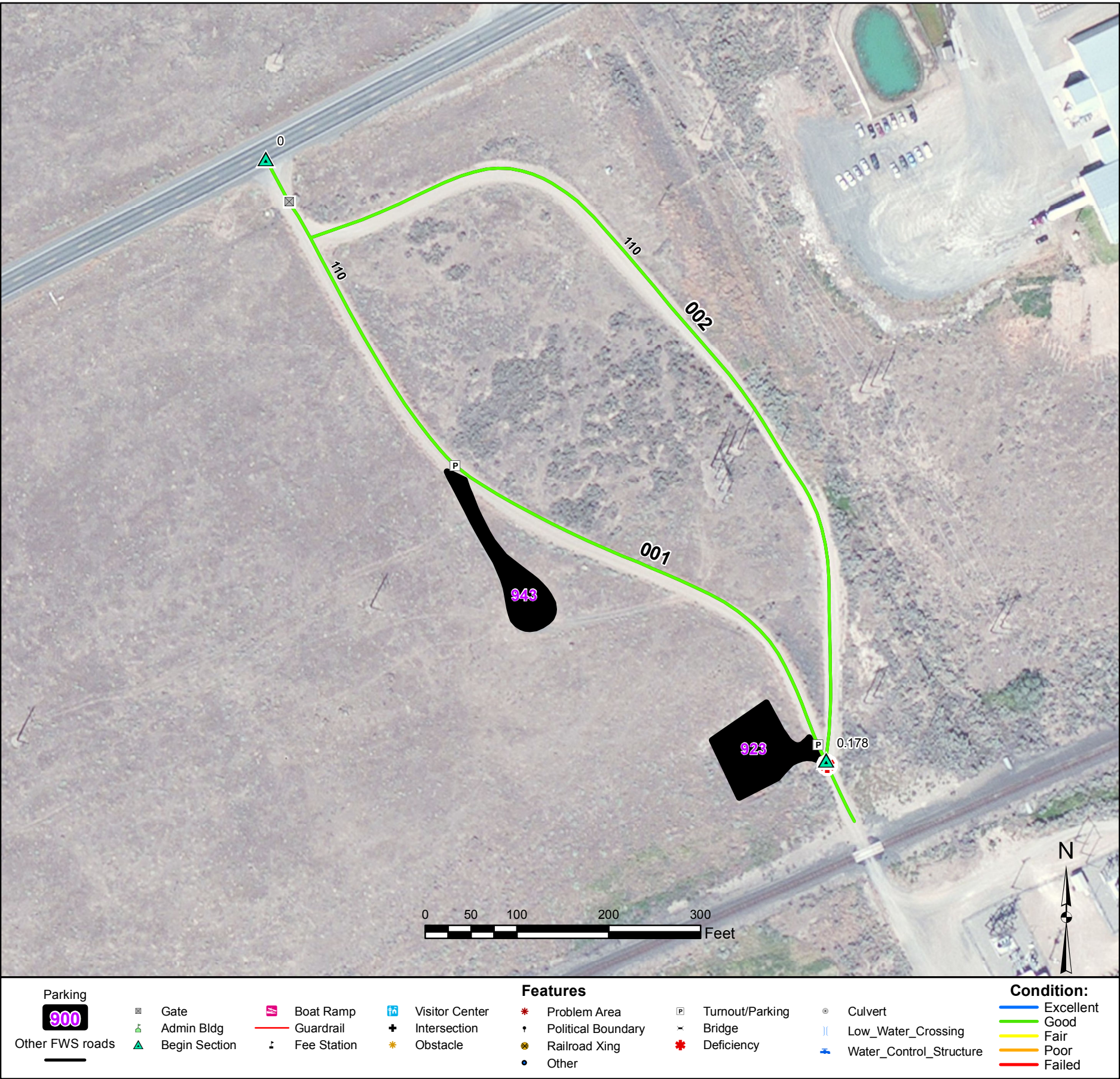
Route Number: 108

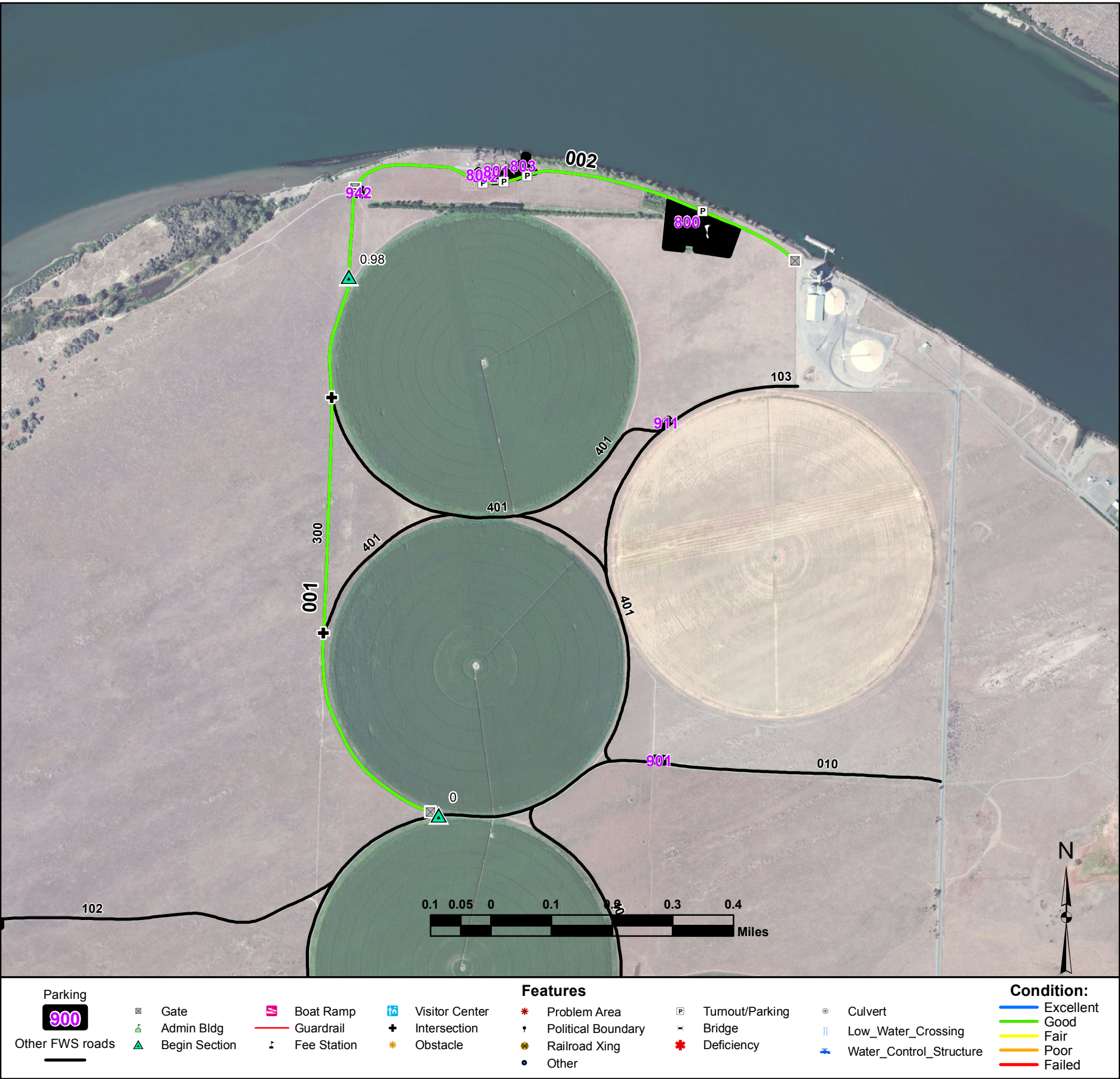
Total Route Mileage: 0.36

Asset Number	10004305				
Section Number	001				
Section Length (miles)	0.36				
Inspection Date	11-09-2012				
Surface Type	Gravel				
Number of Lanes	2				
Roadway Width (feet)	20				
Condition	Good				
Remaining Service Life (years)	7				
Estimated Cost to Repair	\$600				
Current Replacement Value	\$275,100				

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section Turnout/Parking	001-0.0 001-0.35						







Maintenance/Shop Access Road

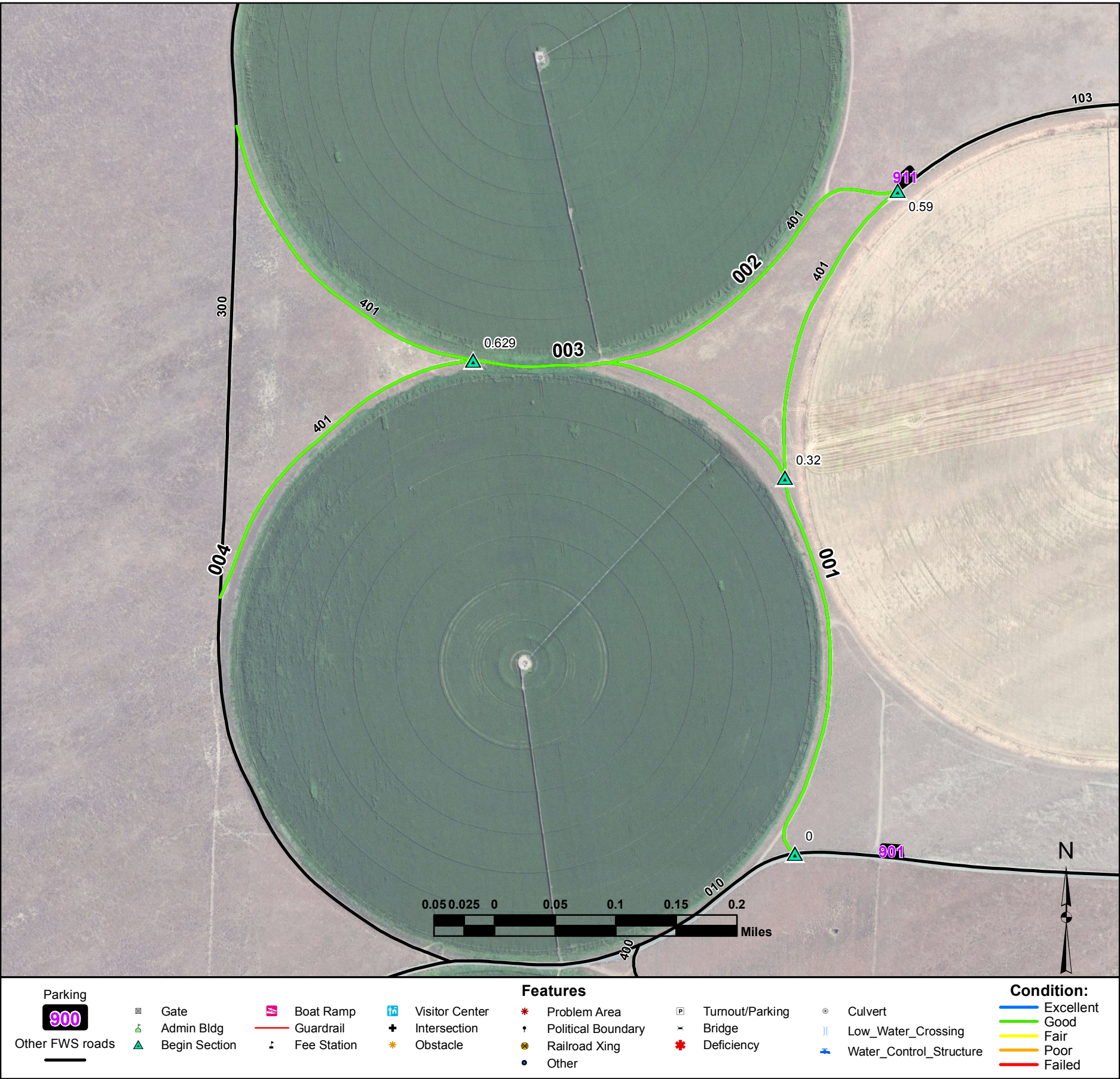
From Auto Tour Route (Route 010) to Riverview Lane

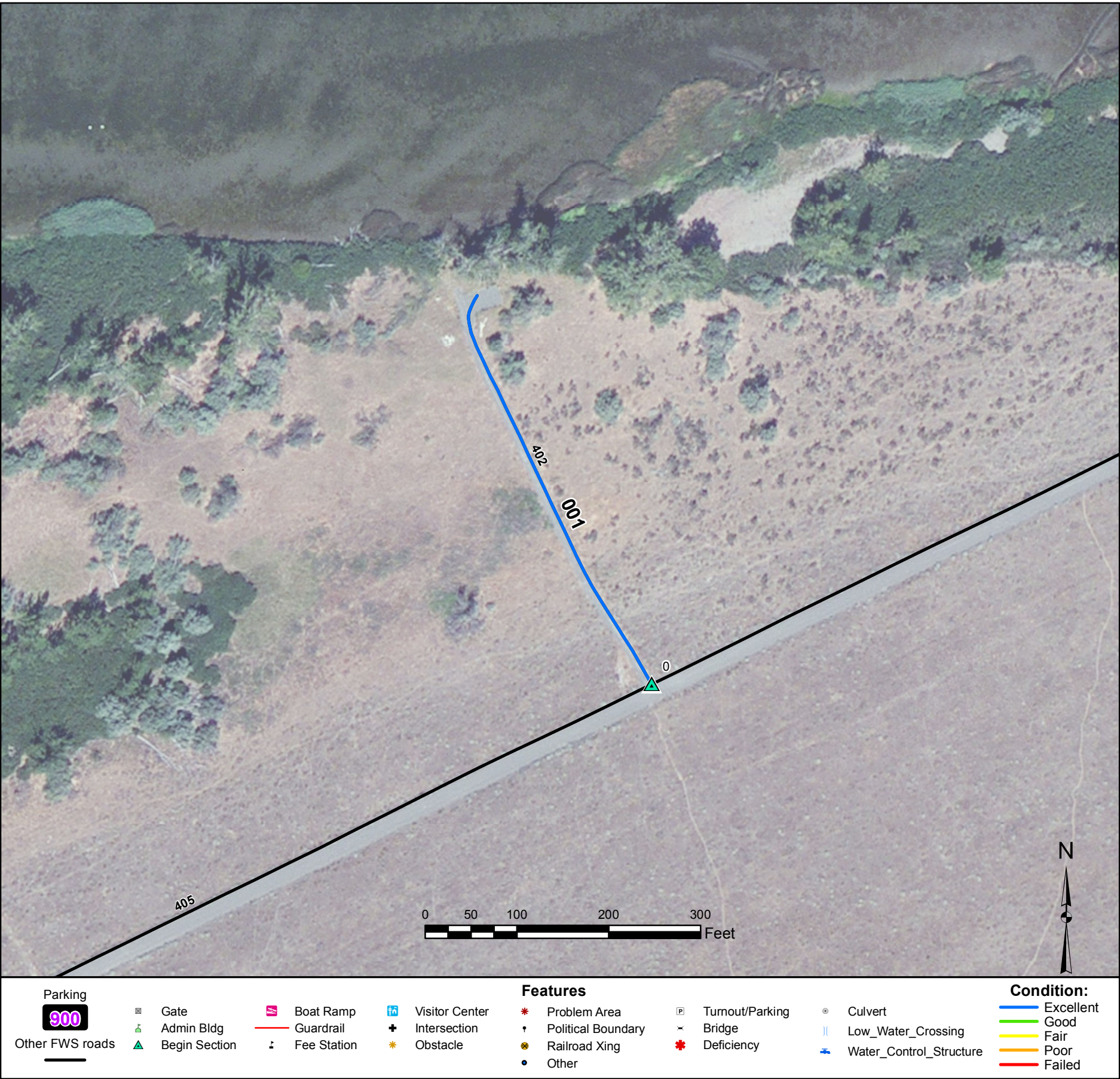
Route Number: 300

Total Route Mileage: 1.91

Asset Number	-	-			
Section Number	001	002			
Section Length (miles)	0.98	0.93			
Inspection Date	11-08-2012	11-08-2012			
Surface Type	Gravel	Gravel			
Number of Lanes	1	1			
Roadway Width (feet)	14	14			
Condition	Good	Good			
Remaining Service Life (years)	5	5			
Estimated Cost to Repair	\$1,800	\$1,700			
Current Replacement Value	\$758,100	\$723,100			

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						
Gate	001-0.02						
Intersection	001-0.42						
Intersection	001-0.79						
Begin Section	002-0.98						
Turnout/Parking	002-1.09						
Gate	002-1.09						
Turnout/Parking	002-1.33						
Turnout/Parking	002-1.37						
Turnout/Parking	002-1.41						
Turnout/Parking	002-1.73						
Gate	002-1.91						





Hunt Site 13 Access Road

From River Road (Route 405) to end of route at blind

Route Number: 402

Total Route Mileage: 0.09

Asset Number	-				
Section Number	001				
Section Length (miles)	0.09				
Inspection Date	11-08-2012				
Surface Type	Gravel				
Number of Lanes	1				
Roadway Width (feet)	12				
Condition	Excellent				
Remaining Service Life (years)	9				
Estimated Cost to Repair	\$0				
Current Replacement Value	\$69,500				

Features	Mile Post	Features	Mile Post	Features	Mile Post	Features	Mile Post
Begin Section	001-0.0						

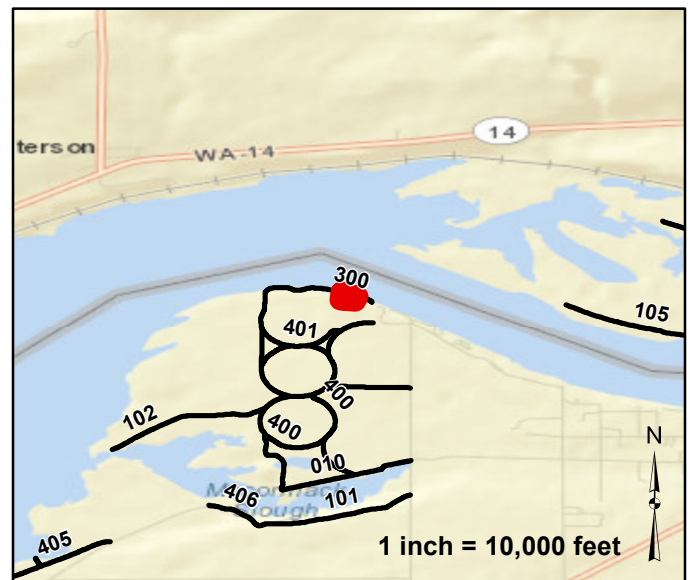
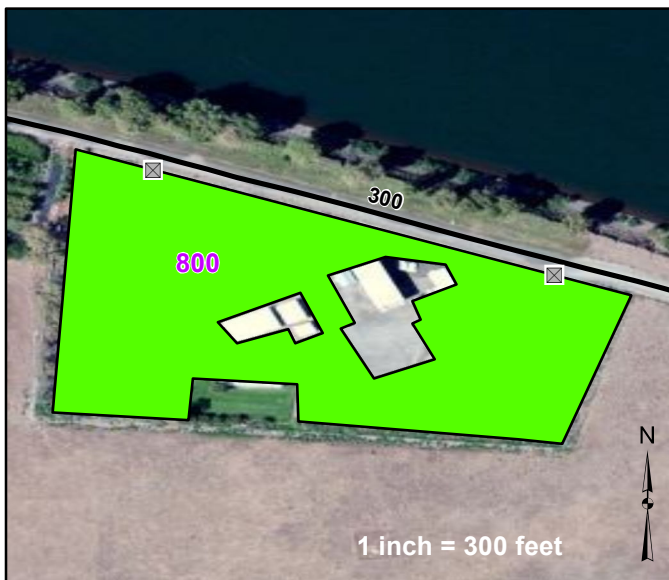




Route Number:800 Maintenance/Shop Parking

From Maintenance/Shop Access Road (Route 300)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	163802	Good	Gravel	\$27,600	11-08-2012	\$909,700



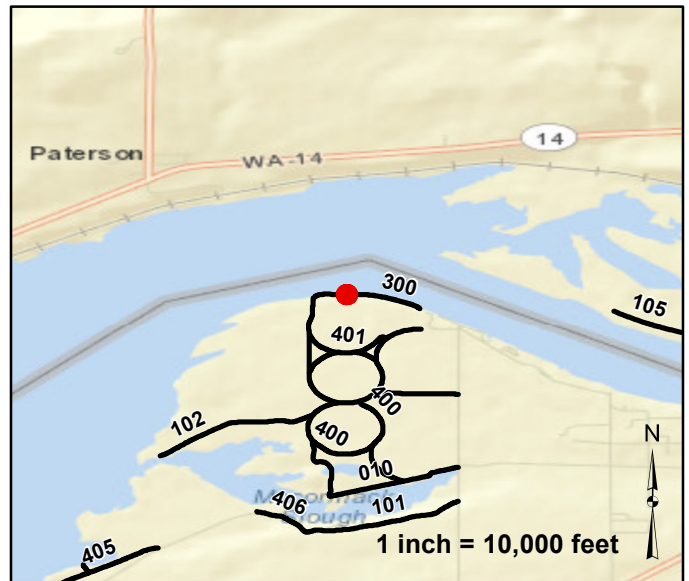
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:801

Bunkhouse Handicap Parking

From Maintenance/Shop Access Road (Route 300)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	574	Excellent	Concrete	\$0	11-08-2012	\$7,100



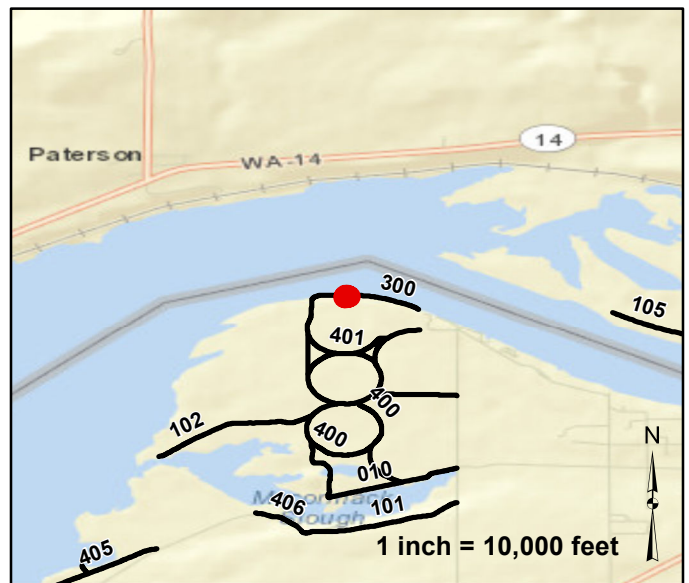
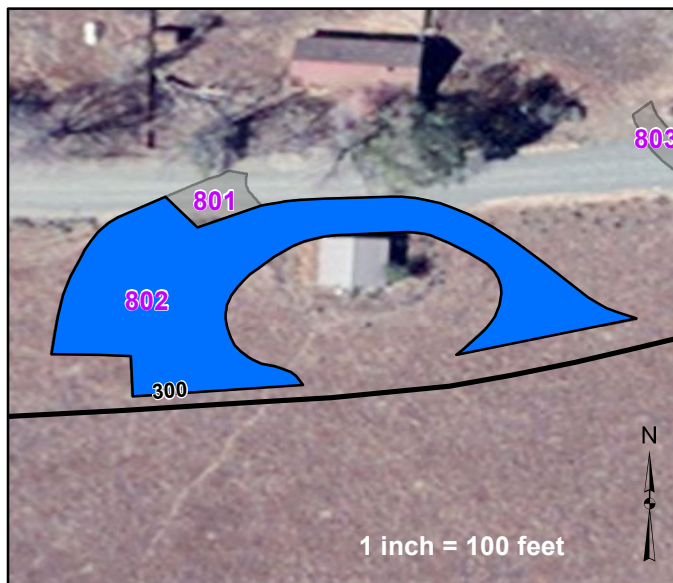
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:802

Bunkhouse Parking

From Maintenance/Shop Access Road (Route 300)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	8925	Excellent	Gravel	\$0	11-08-2012	\$49,600



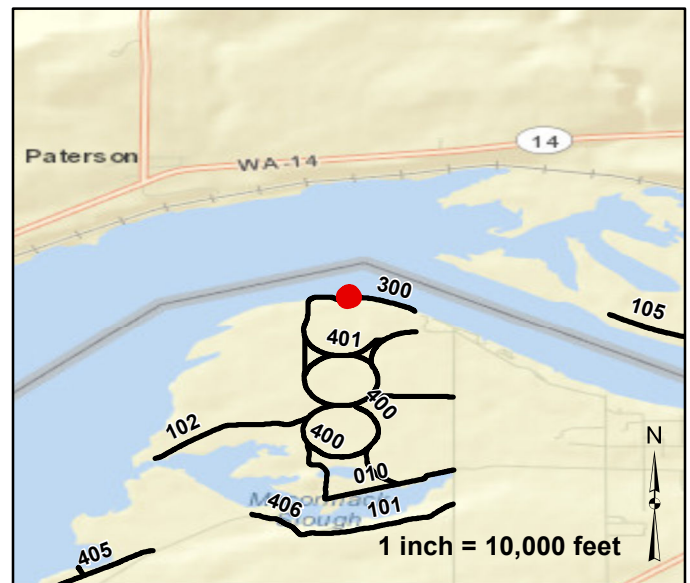
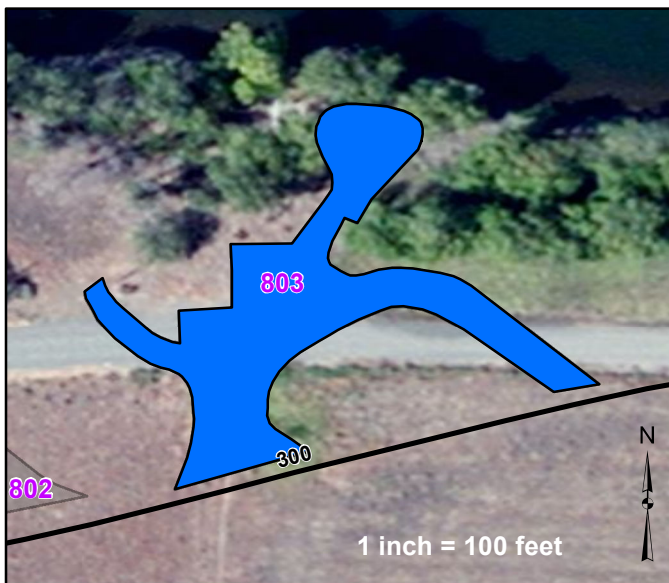
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:803

Volunteer Parking

From Maintenance/Shop Access Road (Route 300)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	8998	Excellent	Gravel	\$0	11-08-2012	\$50,000



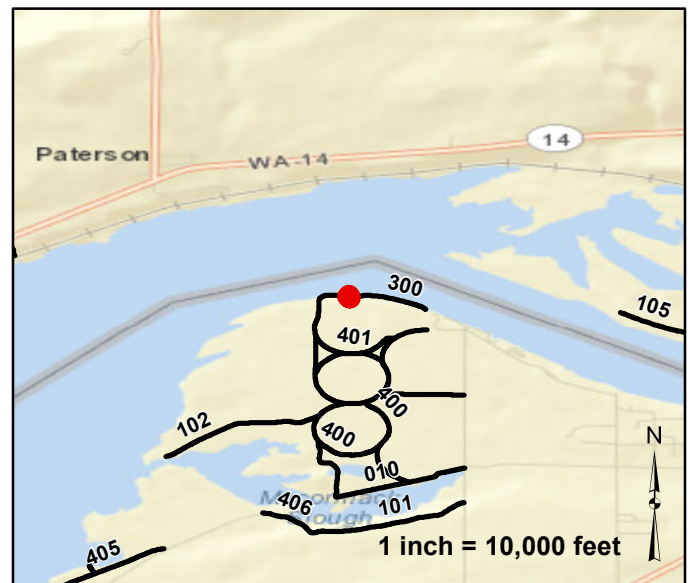
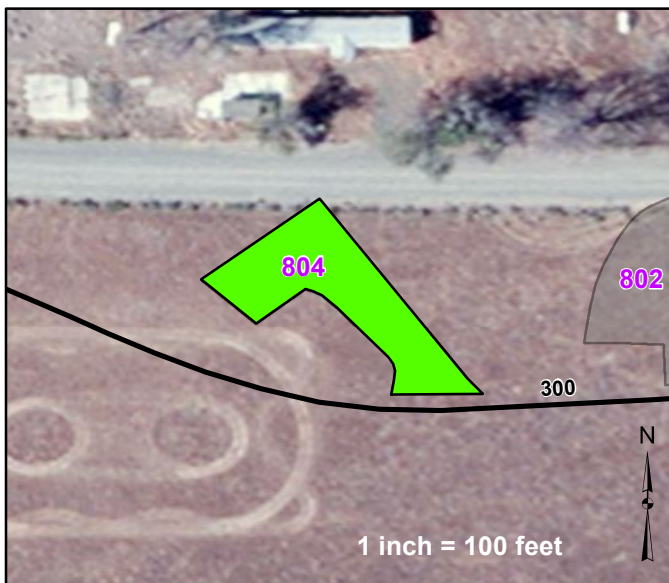
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:804

Residence Parking

From Maintenance/Shop Access Road (Route 300)

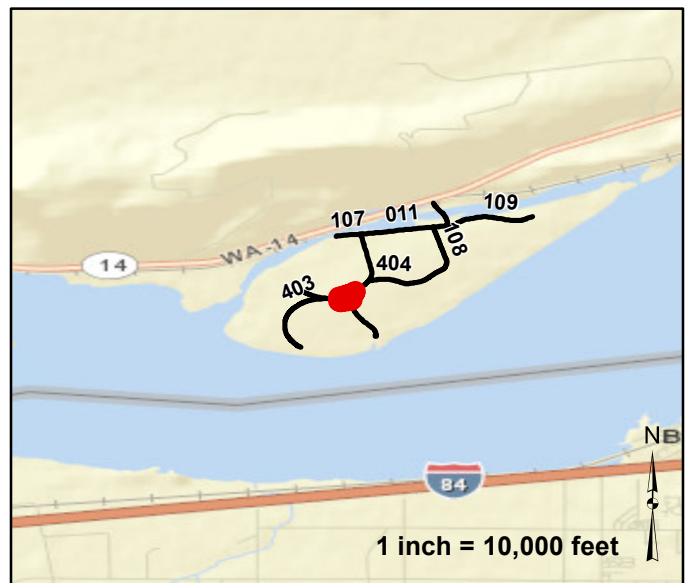
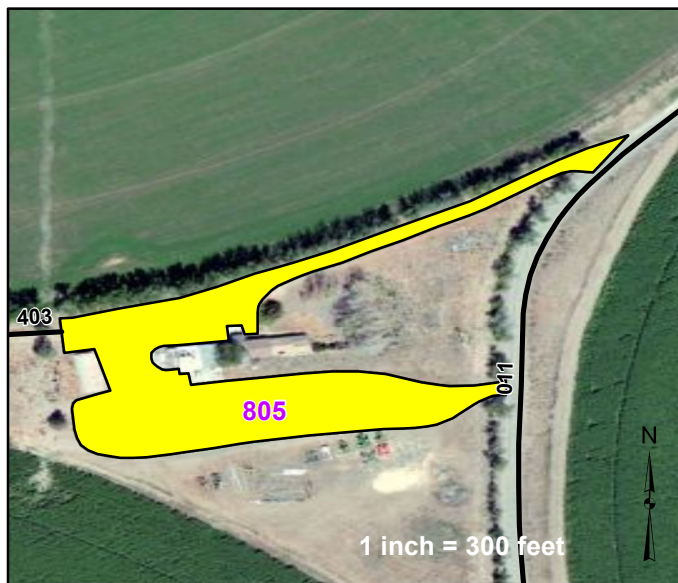
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	3447	Good	Gravel	\$600	11-08-2012	\$19,100



Parking		Features		Condition:	
	Other FWS roads	Gate	Boat Ramp	Visitor Center	Culvert
		Admin Bldg	Guardrail	Other	Low_Water_Crossing
		Begin Section	Fee Station	Problem Area	Water_Control_Structure

Route Number:805
Whitcomb Administrative Parking
 From Whitcomb Island Road (Route 011)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	69703	Fair	Gravel	\$20,700	11-09-2012	\$387,100



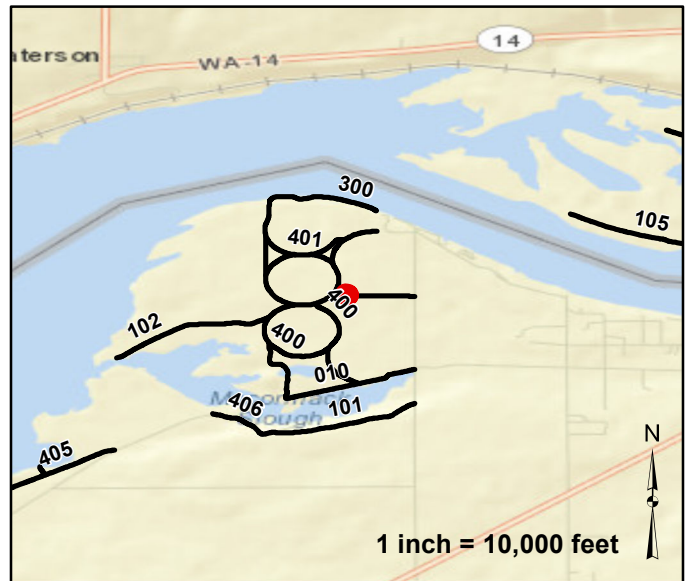
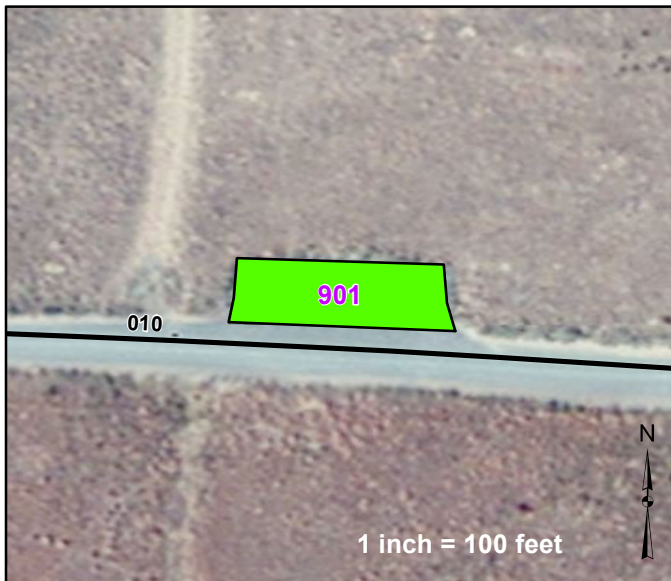
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:901

Parking Lot A

From Auto Tour Route (Route 010)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	2642	Good	Gravel	\$400	11-08-2012	\$14,700



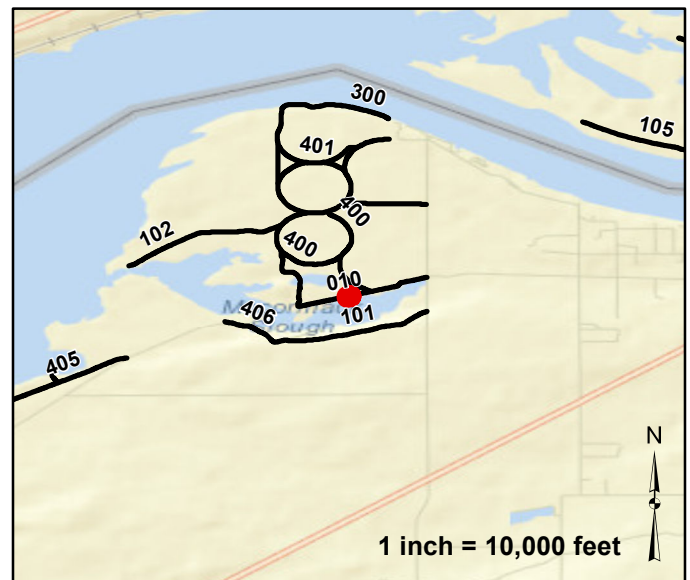
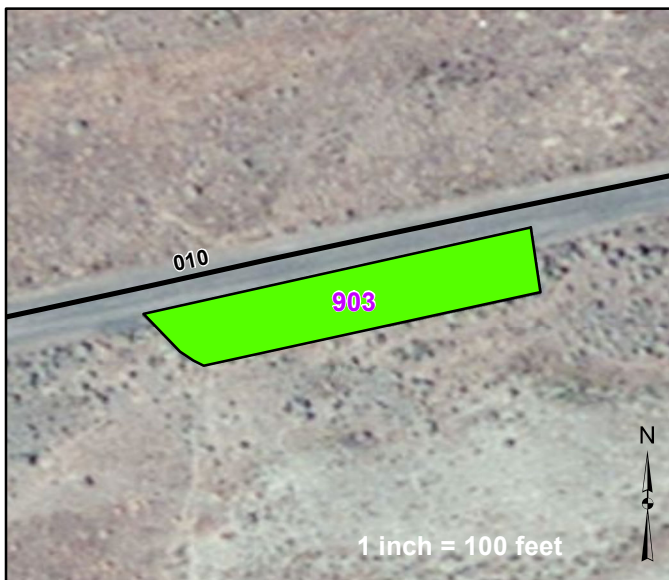
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:903

Parking Lot D

From Auto Tour Route (Route 010)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	4549	Good	Gravel	\$800	11-08-2012	\$25,300



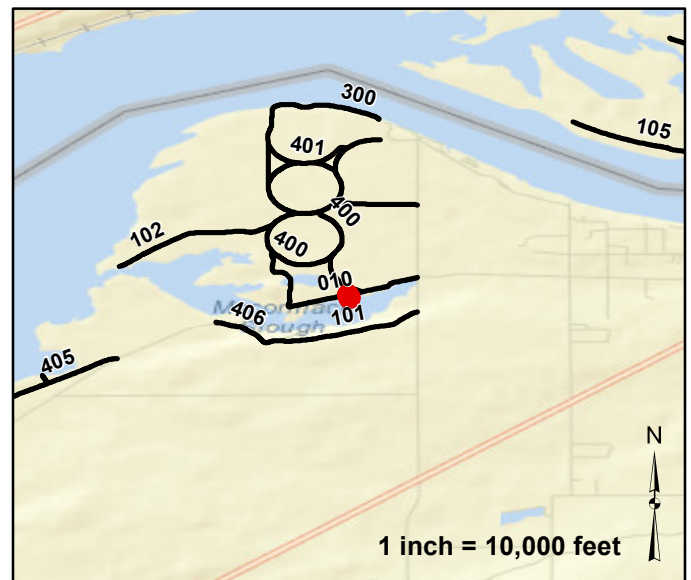
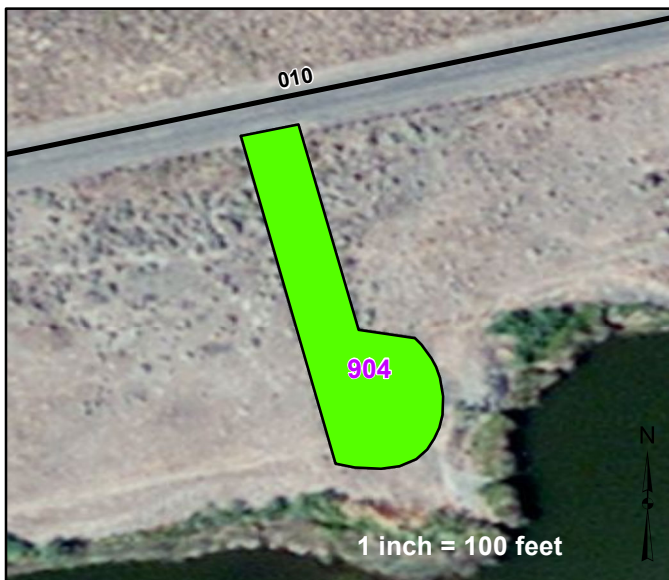
Parking		Features		Condition:	
	Gate		Boat Ramp		Excellent
	Admin Bldg		Guardrail		Good
	Begin Section		Fee Station		Fair
	Other FWS roads		Visitor Center		Poor
			Problem Area		Failed
			Other		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:904

Pond Access Parking

From Auto Tour Route (Route 010)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	5263	Good	Gravel	\$900	11-08-2012	\$29,200



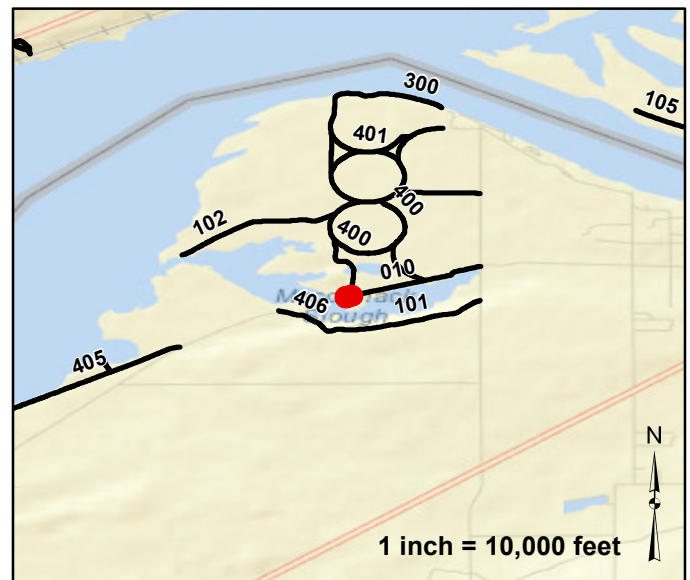
Parking		Features		Condition:	
	Other FWS roads		Gate		Excellent
	Admin Bldg		Boat Ramp		Good
	Begin Section		Guardrail		Fair
			Fee Station		Poor
			Visitor Center		Failed
			Other		
			Problem Area		
			Culvert		
			Low Water Crossing		
			Water Control Structure		

Route Number:905

Parking Lot C

From Auto Tour Route (Route 010)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	10720	Excellent	Gravel	\$0	11-08-2012	\$59,500

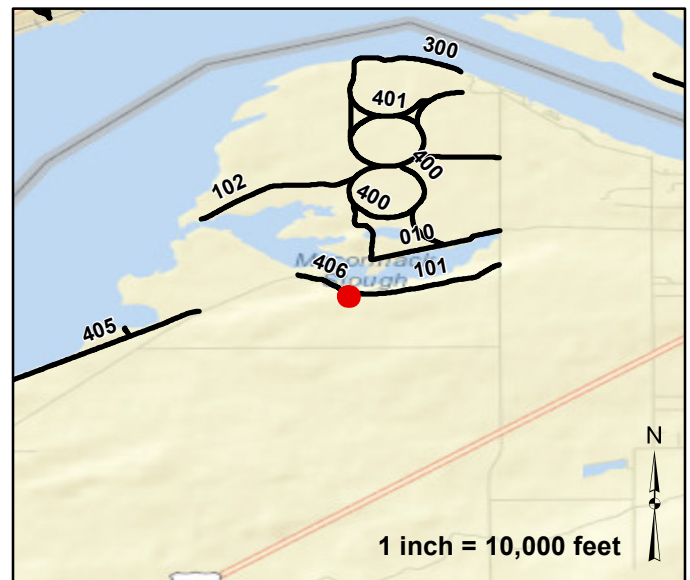


Route Number:906

Parking Lot F

From Heritage Trail Road (Route 101)

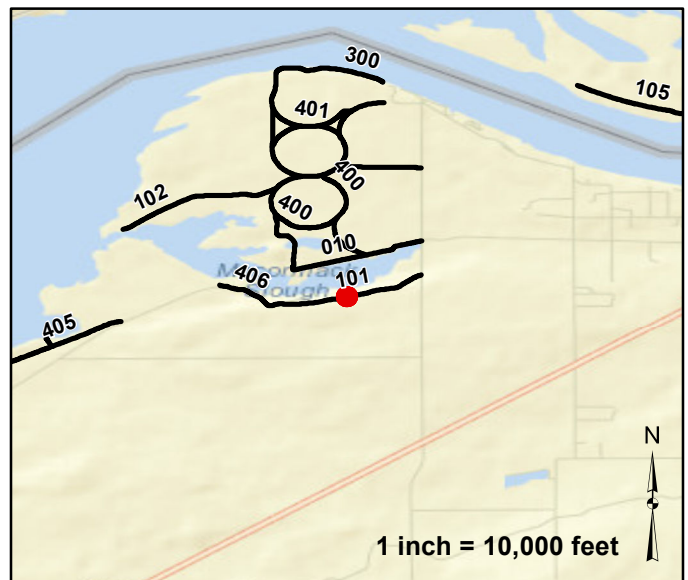
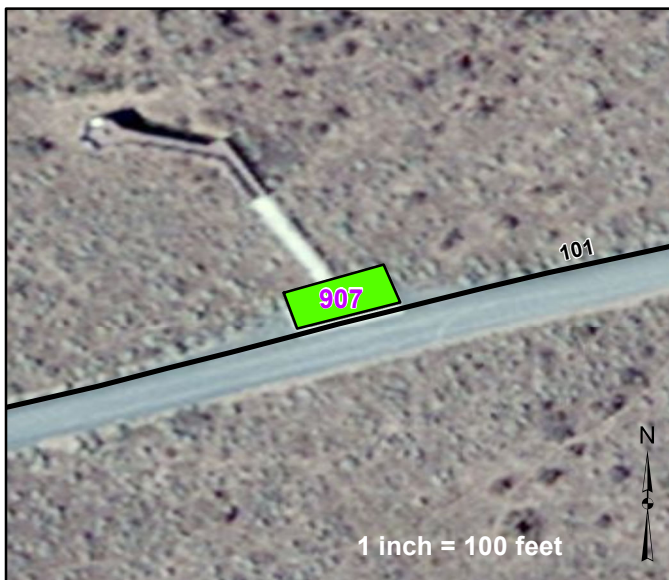
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	7426	Good	Gravel	\$1,200	11-08-2012	\$41,200



Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Excellent
			Admin Bldg		Guardrail		Good
			Begin Section		Fee Station		Fair
					Visitor Center		Poor
					Other		Failed
					Problem Area		
					Culvert		
					Low_Water_Crossing		
					Water_Control_Structure		

Route Number:907
Observation Deck Parking
 From Heritage Trail Road (Route 101)

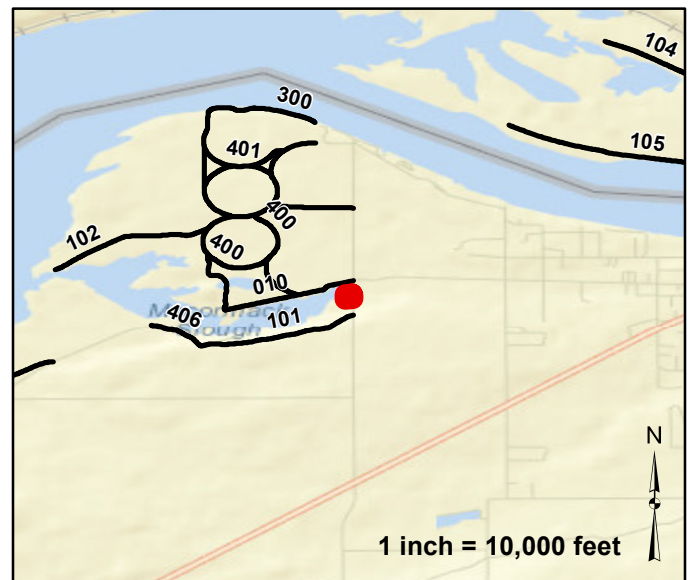
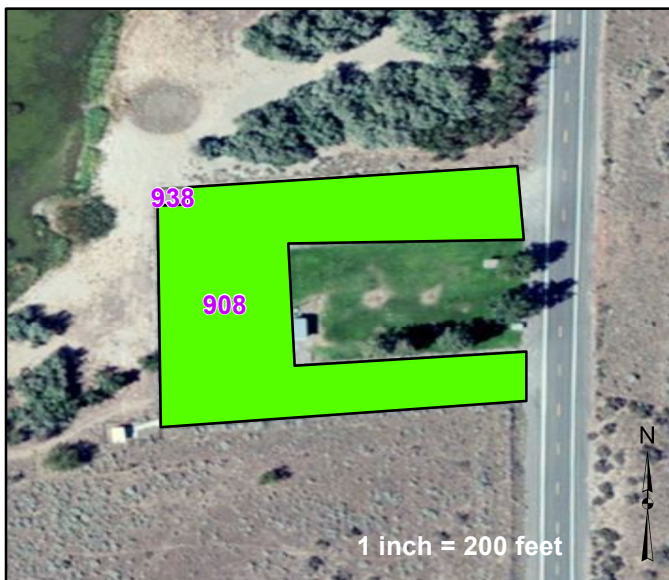
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	790	Good	Concrete	\$100	11-08-2012	\$9,800



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:908
Hunter Check Station Parking
From Paterson Ferry Road

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	44139	Good	Gravel	\$7,400	11-08-2012	\$245,100



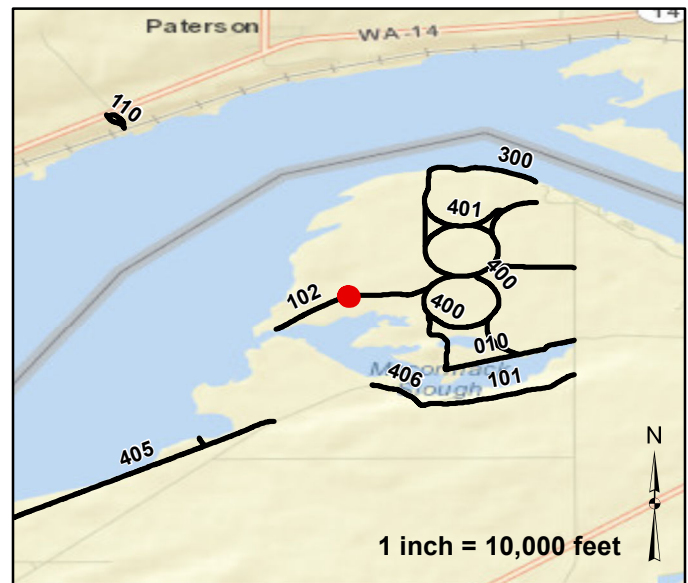
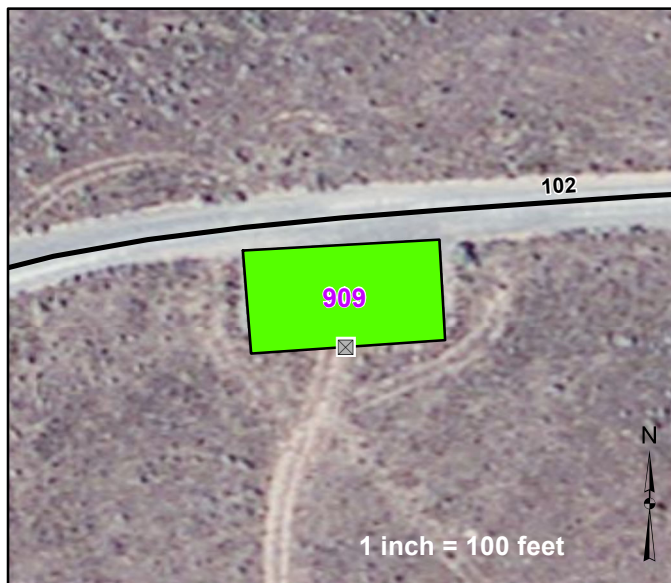
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:909

Parking Lot H

From McCormick Slough West Road (Route 102)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	3758	Good	Gravel	\$600	11-08-2012	\$20,900



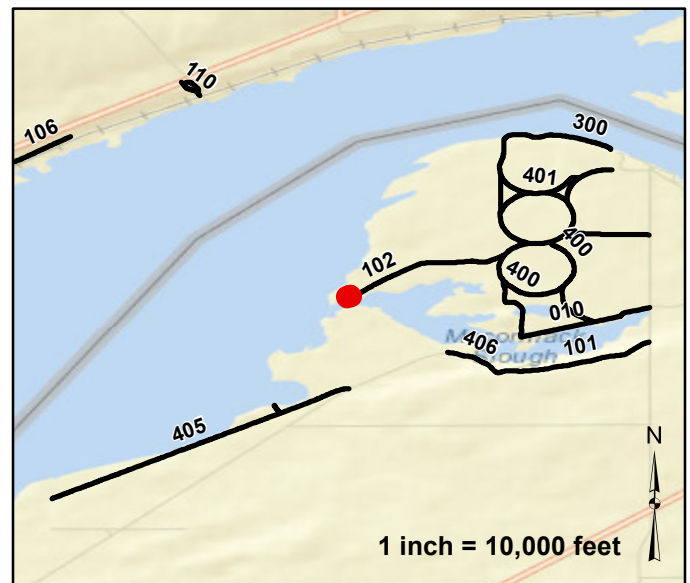
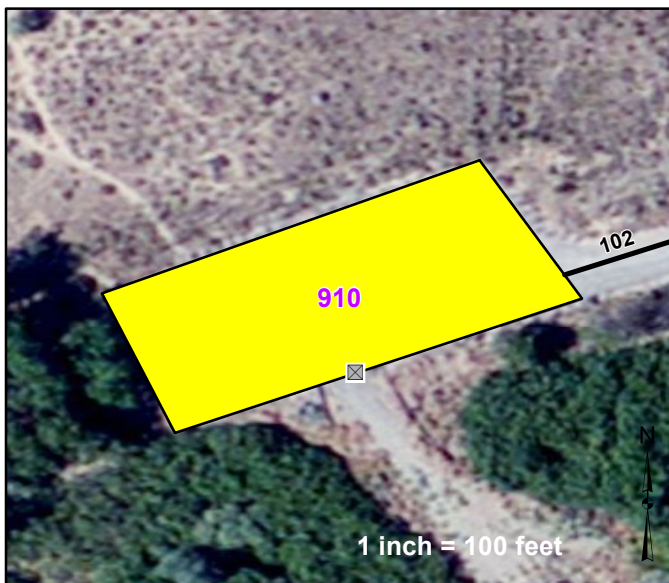
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:910

Parking Lot I

From McCormick Slough West Road (Route 102)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	12525	Fair	Gravel	\$3,700	11-08-2012	\$69,600



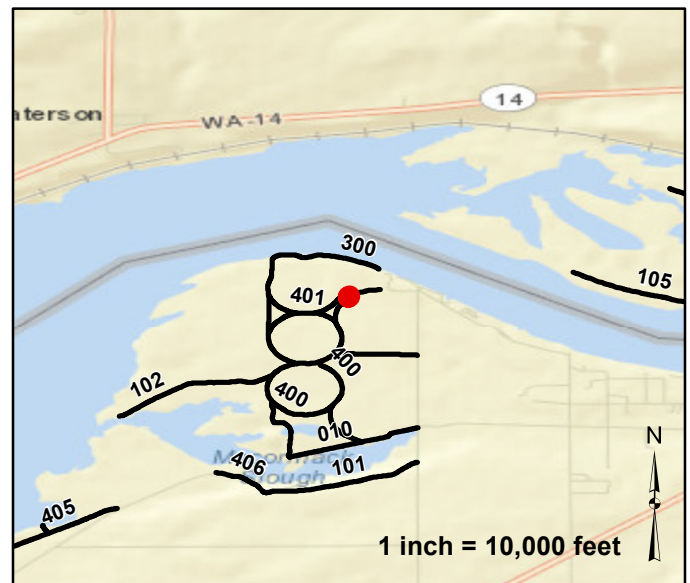
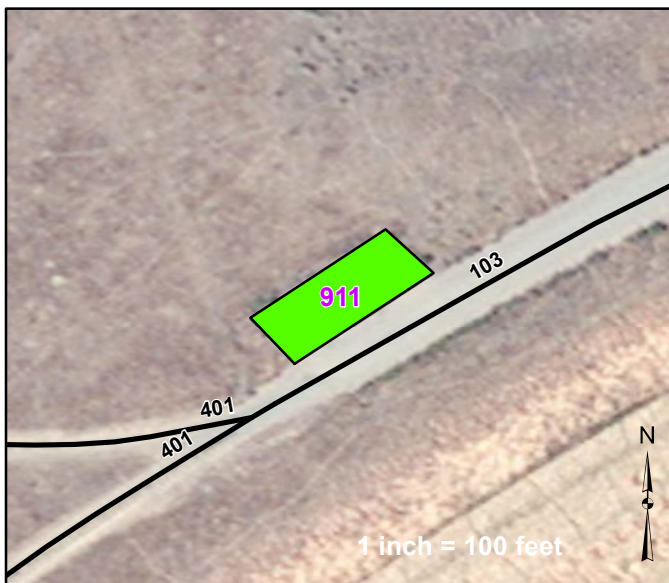
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:911

Parking Lot G

From McCormick North Road (Route 103)

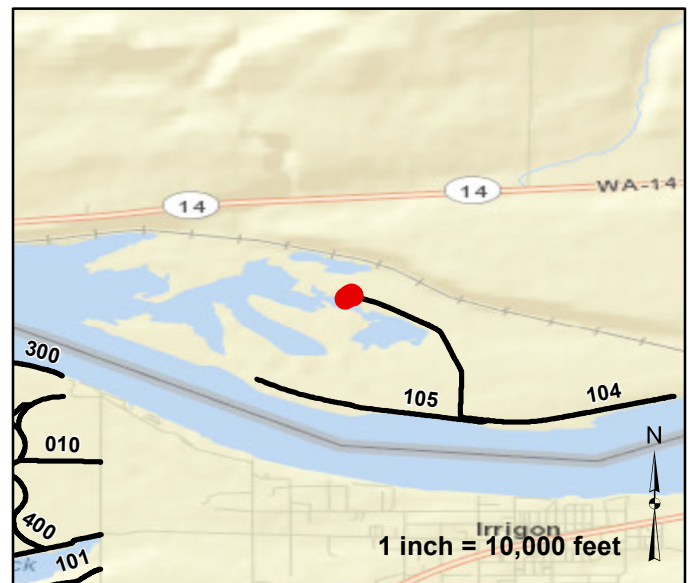
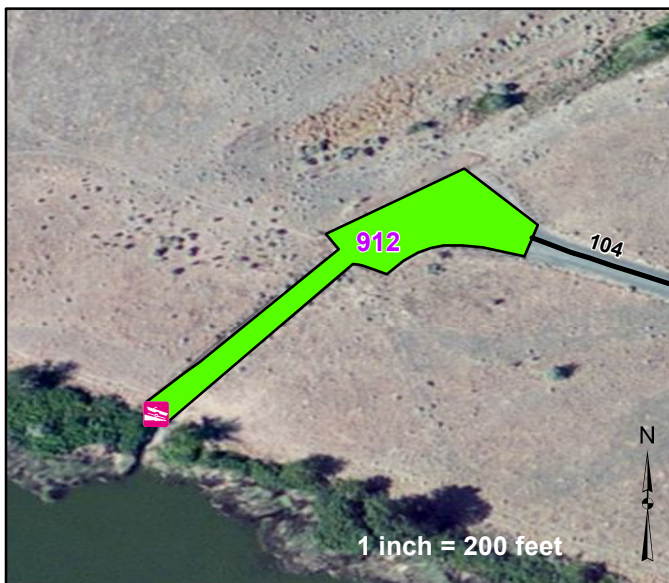
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	1946	Good	Gravel	\$300	11-08-2012	\$10,800



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:912
Paterson Slough Boat Launch
From Paterson Unit Access Road (Route 104)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	13081	Good	Gravel	\$2,200	11-08-2012	\$72,700



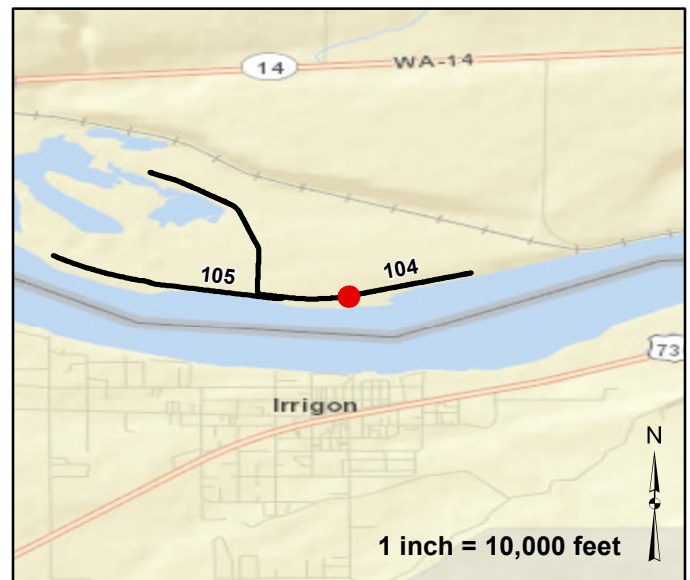
Parking		Features		Condition:	
	Other FWS roads		Gate		Excellent
	Admin Bldg		Boat Ramp		Good
	Begin Section		Guardrail		Fair
			Fee Station		Poor
			Visitor Center		Failed
			Other		
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:913

Paterson Slough Parking #1

From Paterson Unit Access Road (Route 104)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100507781486		Good	Gravel	\$300	11-08-2012	\$8,300



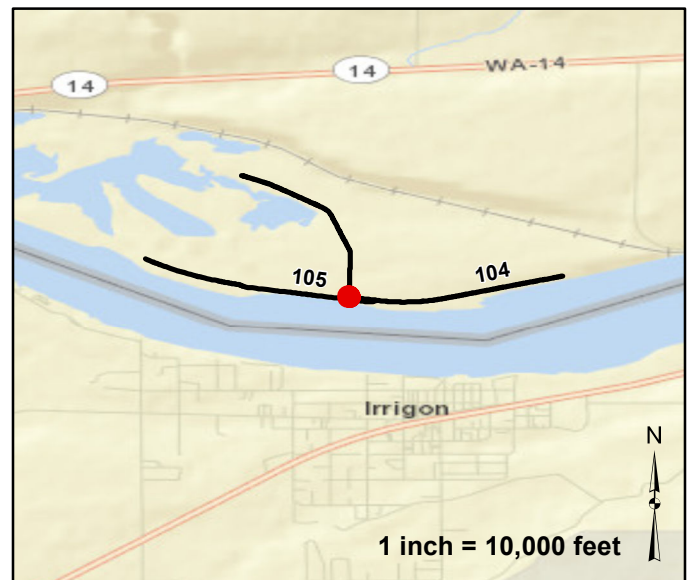
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:914

Paterson Slough Parking #2

From Paterson Unit Access Road (Route 104)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100507786586		Fair	Gravel	\$2,000	11-08-2012	\$36,600



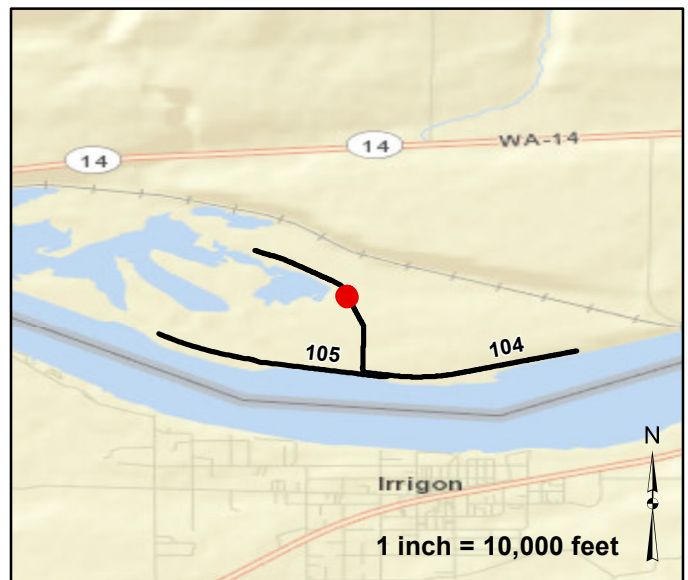
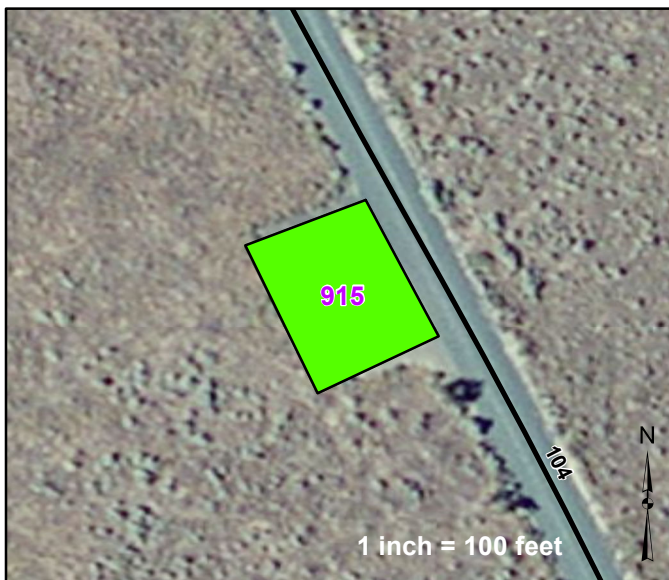
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:915

Paterson Slough Parking #3

From Paterson Unit Access Road (Route 104)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100507793938		Good	Gravel	\$700	11-08-2012	\$21,900



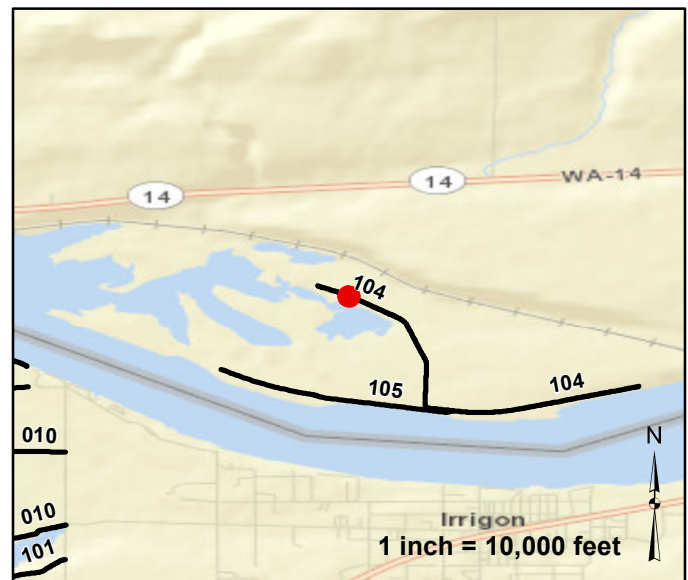
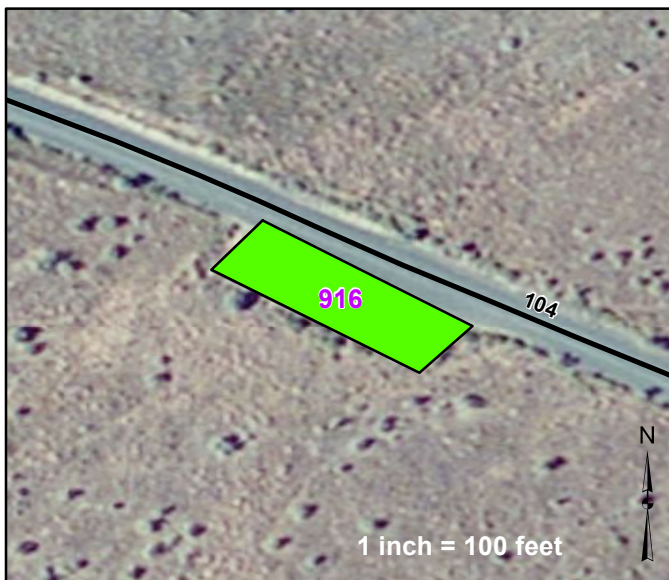
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:916

Paterson Slough Parking #4

From Paterson Unit Access Road (Route 104)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100507802912		Good	Gravel	\$500	11-08-2012	\$16,200



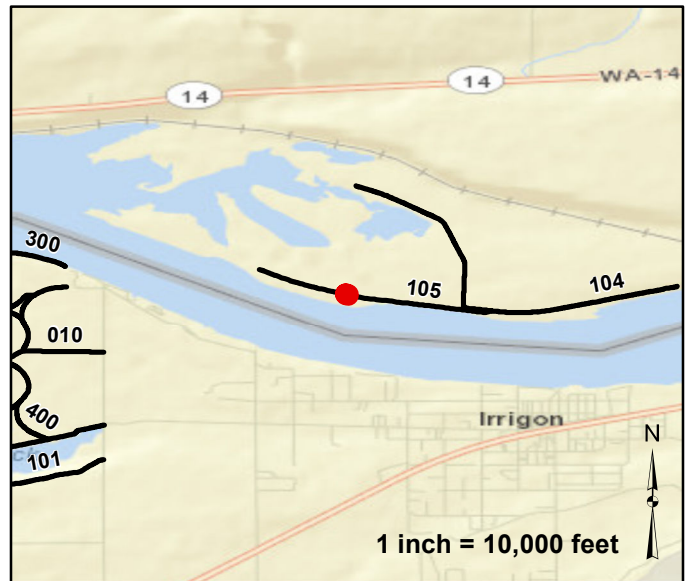
Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Visitor Center
			Admin Bldg		Guardrail		Other
			Begin Section		Fee Station		Problem Area
					Culvert		Low_Water_Crossing
					Water_Control_Structure		
							Excellent
							Good
							Fair
							Poor
							Failed

Route Number:917

Paterson Slough Parking #5

From Paterson Slough South Road (Route 105)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100507812974		Good	Gravel	\$500	11-08-2012	\$16,500



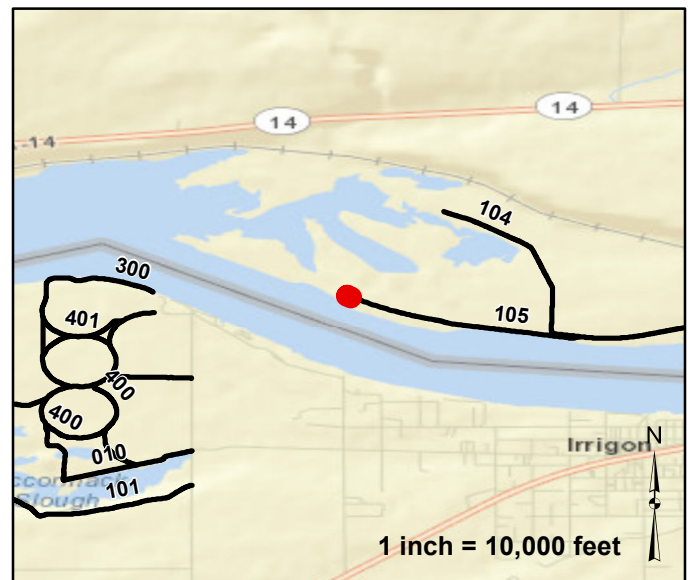
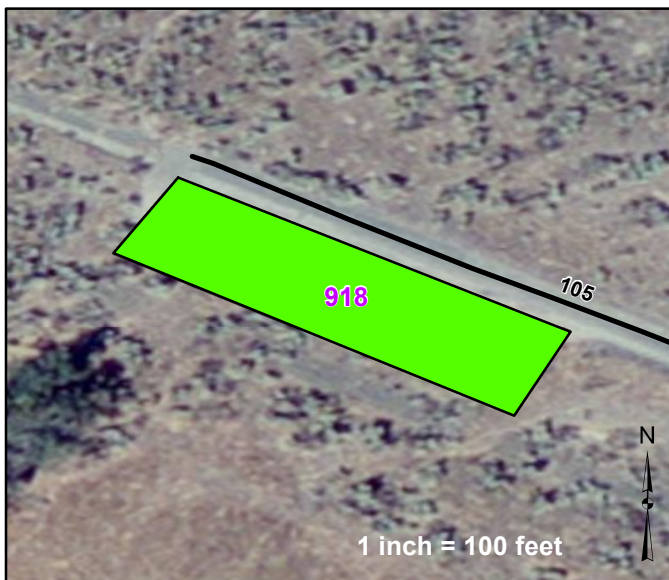
Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:918

Paterson Slough Parking #6

From Paterson Slough South Road (Route 105)

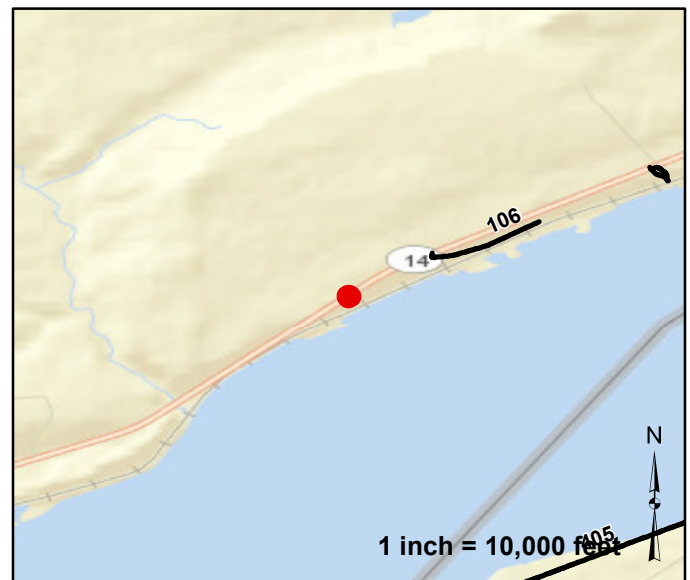
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100507827779		Good	Gravel	\$1,300	11-08-2012	\$43,200



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:920
Ridge Unit Info West Parking
From State Highway 14

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100043	96809	Good	Gravel	\$1,100	11-09-2012	\$37,800

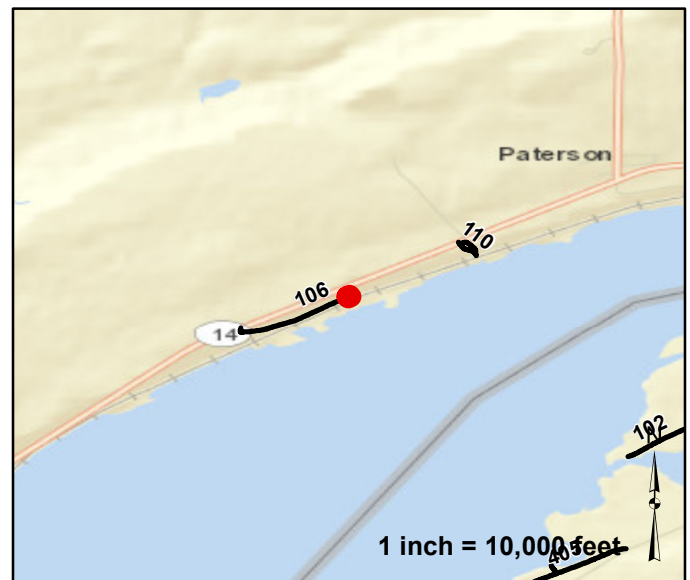
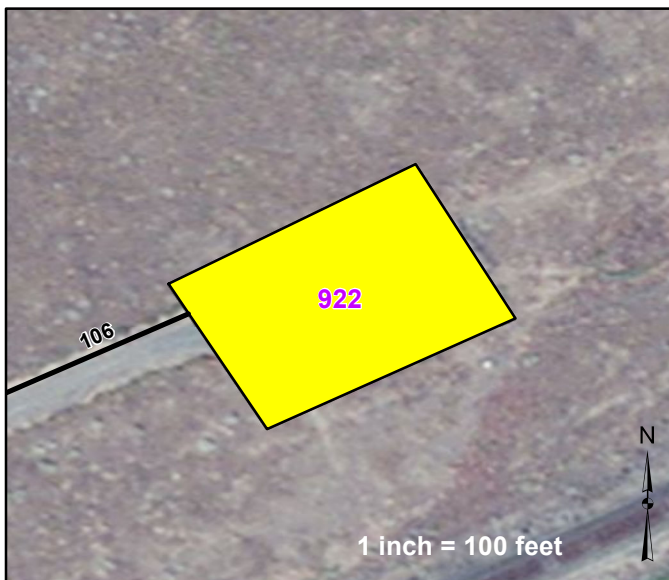


Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:922 Ridge Unit Parking #2

From West Ridge Unit Access Road (Route 106)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
1000431	99171	Fair	Gravel	\$2,700	11-08-2012	\$50,900



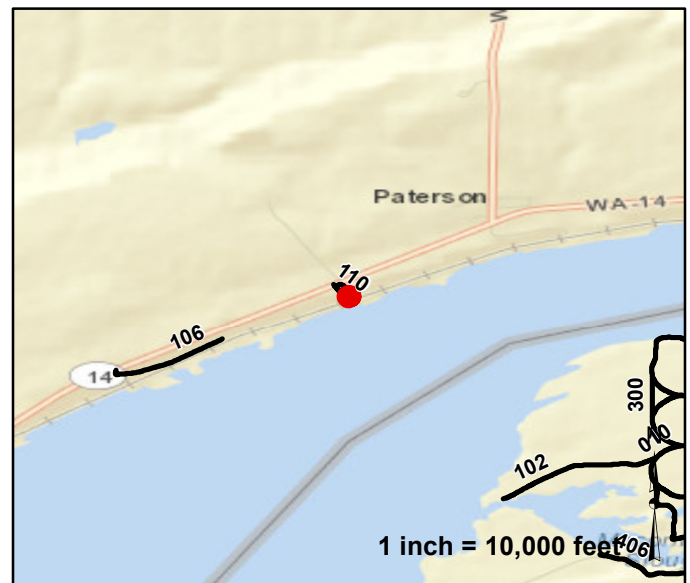
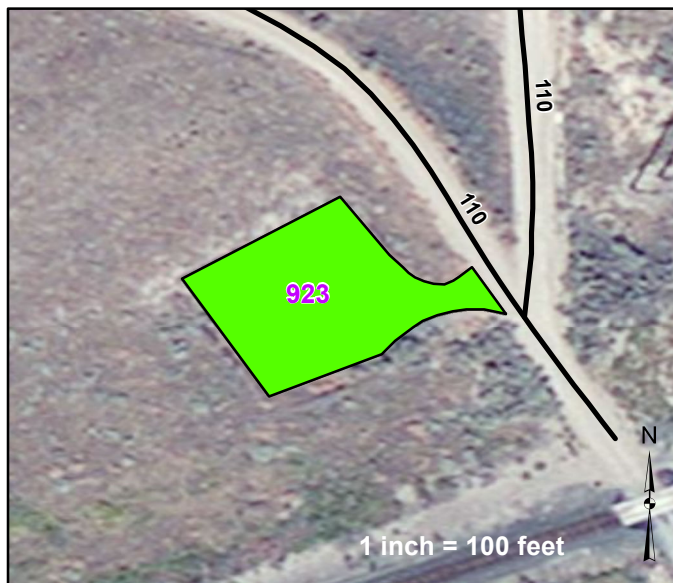
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:923

Ridge Unit Info East Parking

From East Ridge Unit Access Road (Route 110)

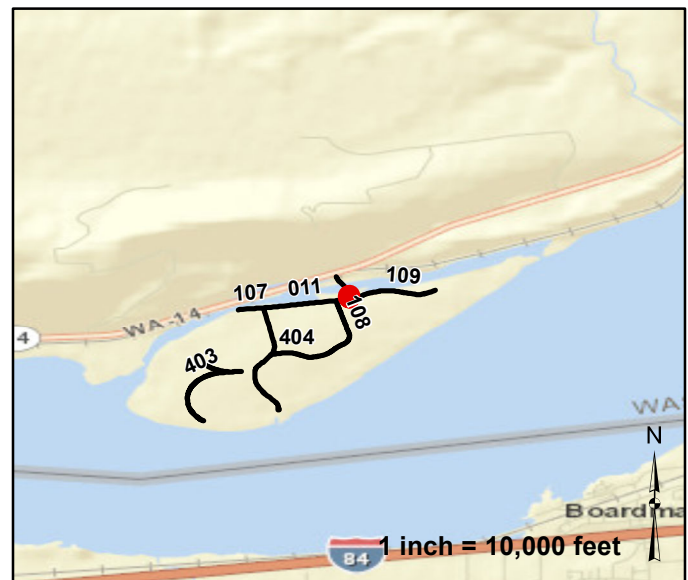
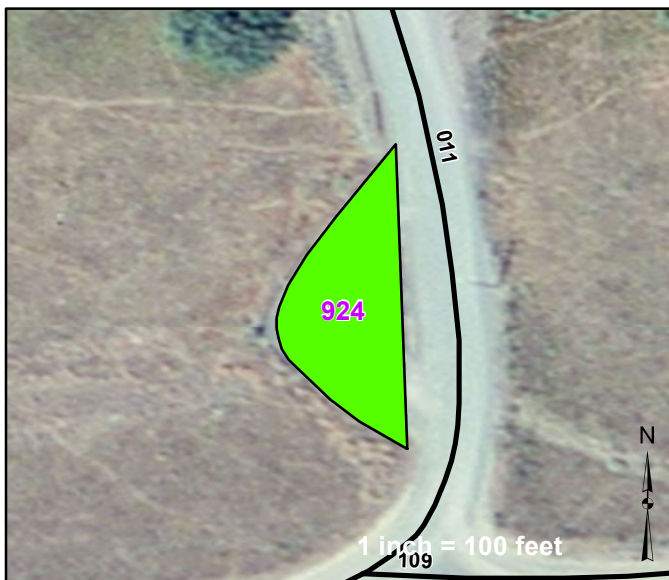
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100043205706		Good	Gravel	\$1,000	11-08-2012	\$31,700



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:924
Whitcomb Unit Information Park
From Whitcomb Island Road (Route 011)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100043294390		Good	Gravel	\$700	11-08-2012	\$24,400



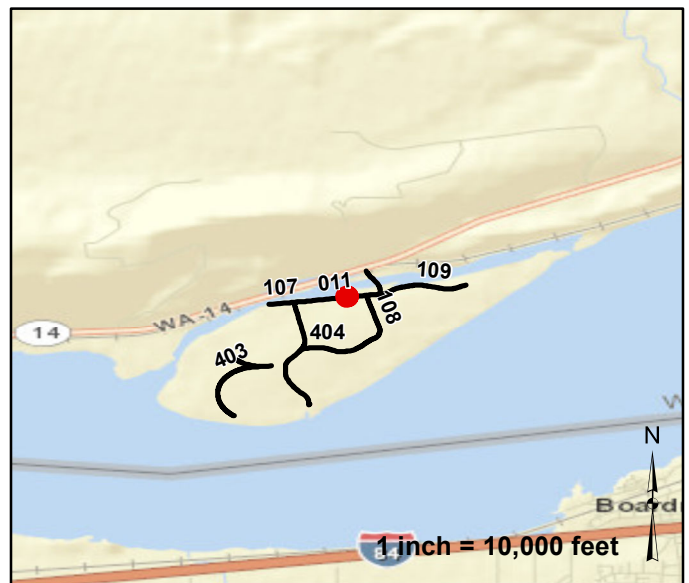
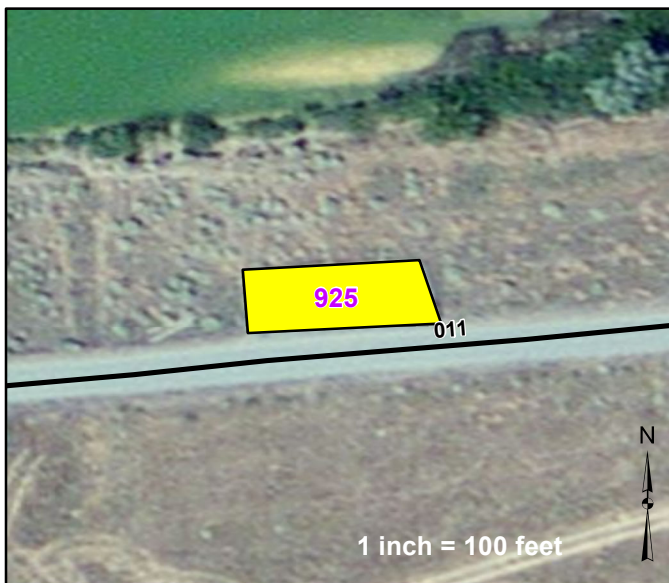
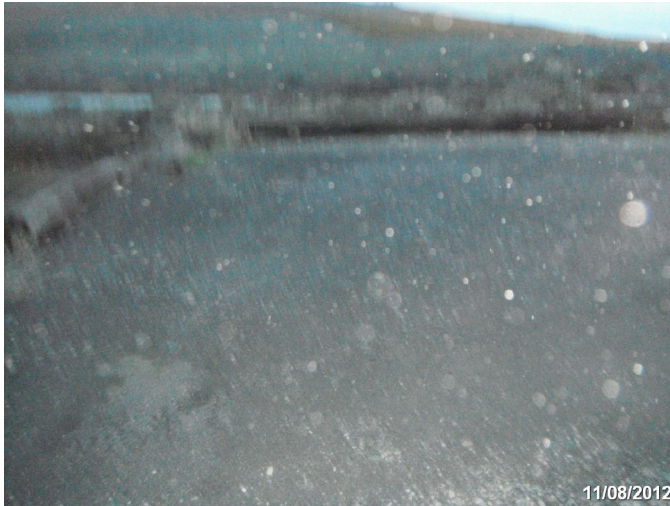
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:925

Whitcomb Parking #1

From Whitcomb Island Road (Route 011)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100043072244		Fair	Gravel	\$700	11-08-2012	\$12,500

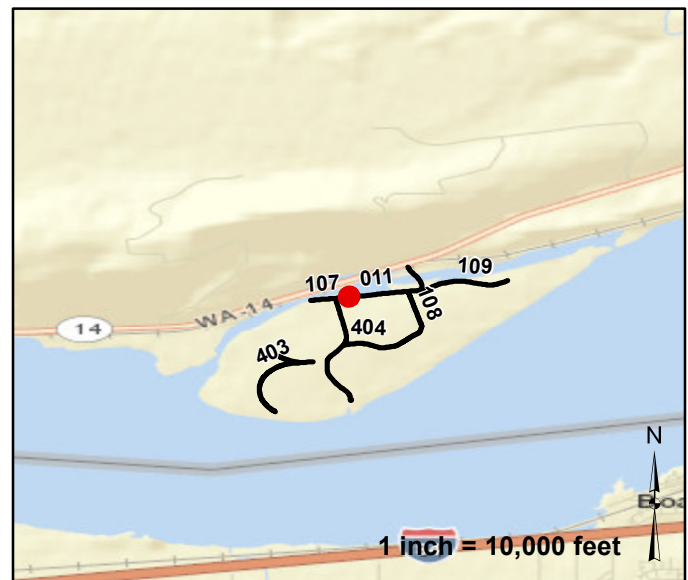


Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:926 Whitcomb Parking #2

From Whitcomb Island Road (Route 011)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100043082204		Good	Gravel	\$400	11-08-2012	\$12,200



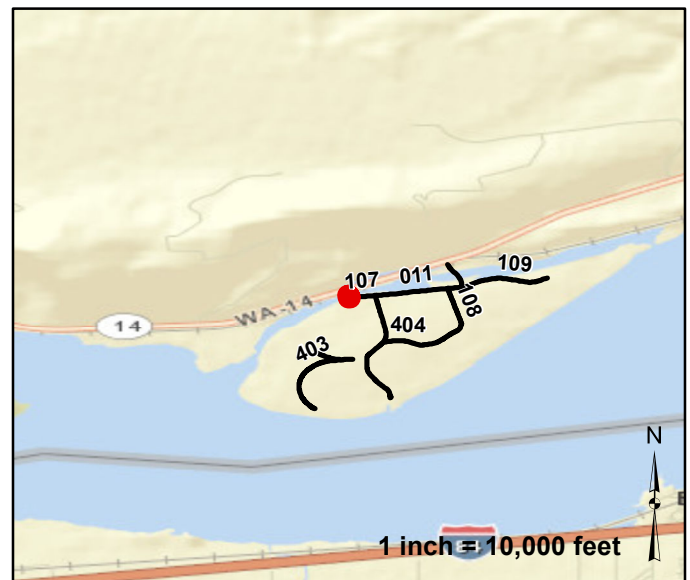
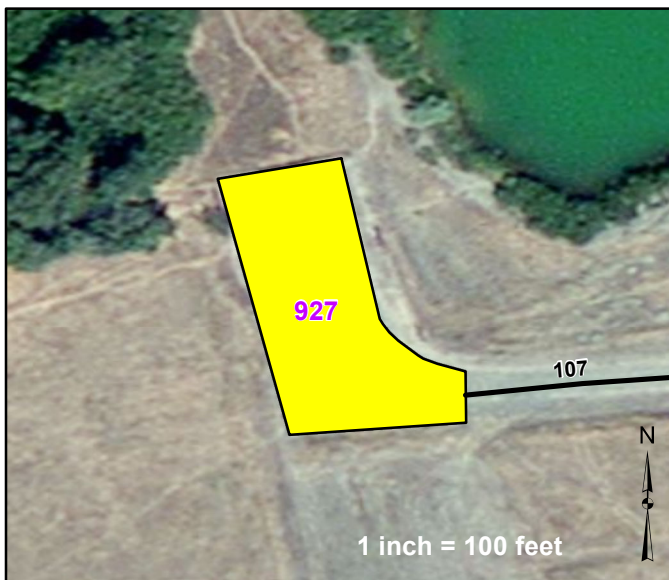
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:927

Whitcomb Parking #3

From Whitcomb West Spur Road (Route 107)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100043097035		Fair	Gravel	\$2,100	11-09-2012	\$39,100

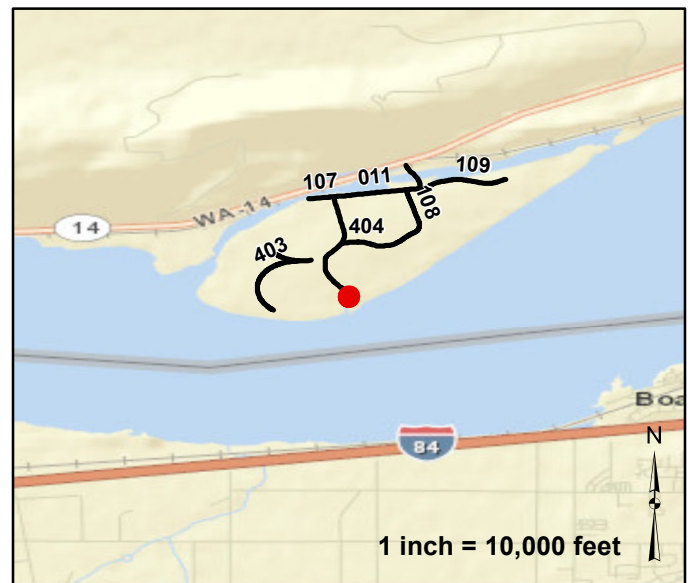


Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:929 Whitcomb Parking #5

From Whitcomb Island Road (Route 011)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100043	11874	Good	Gravel	\$300	11-08-2012	\$10,400



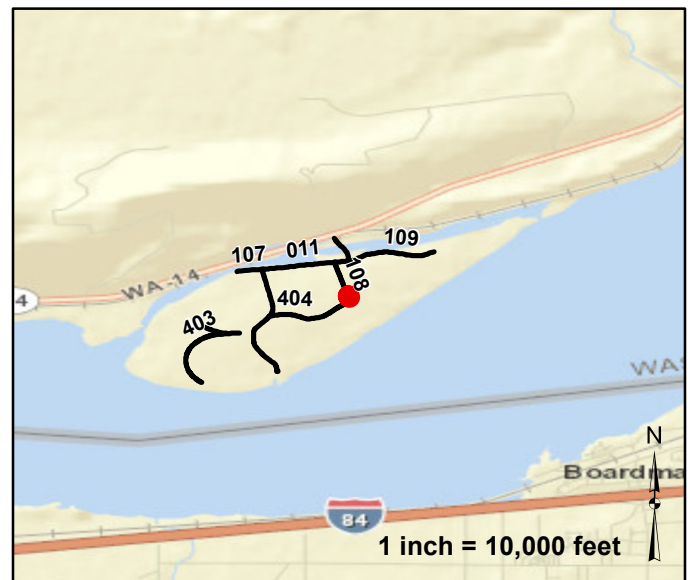
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:930

Whitcomb Parking #6

From Whitcomb Middle Road (Route 108)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
100043	22122	Good	Gravel	\$400	11-09-2012	\$11,800



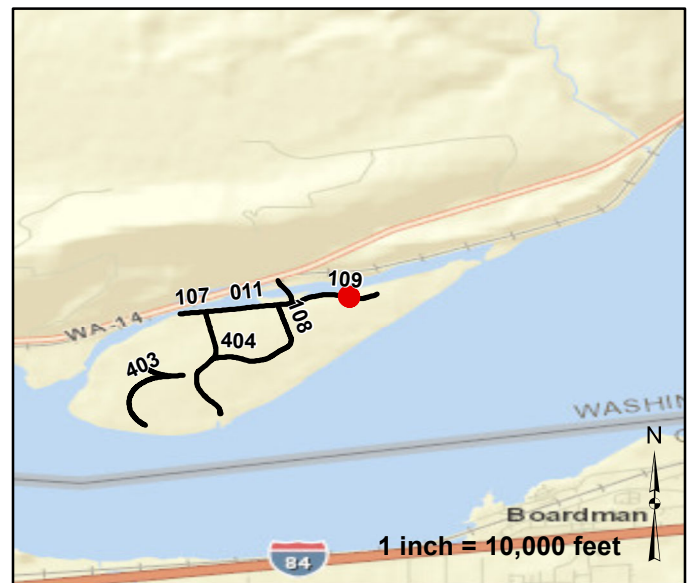
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:931

Whitcomb Parking #7

From Whitcomb East Spur Road (Route 109)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
1000431	42142	Good	Gravel	\$400	11-09-2012	\$11,900



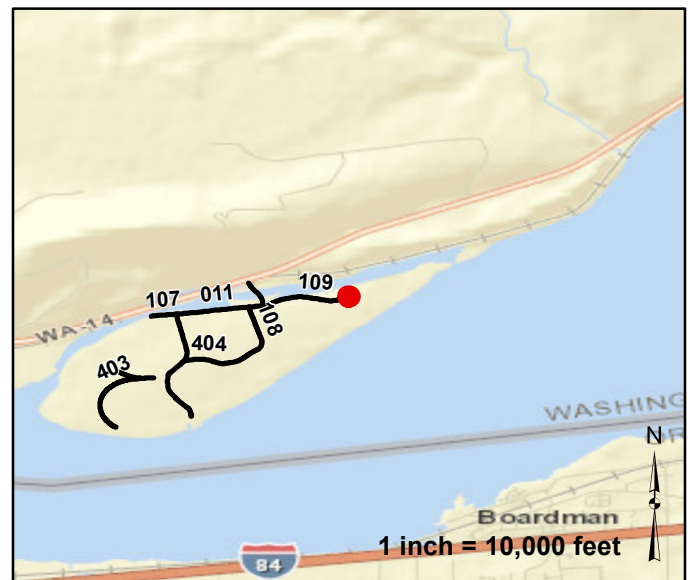
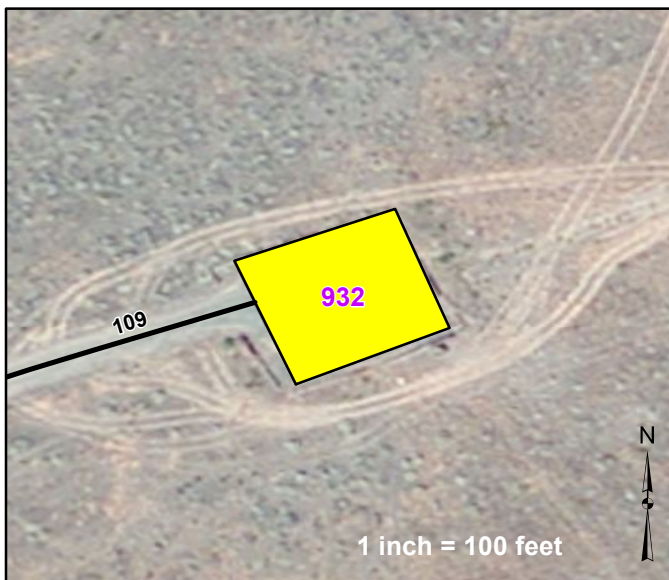
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Culvert
	Admin Bldg		Guardrail		Other		Low_Water_Crossing
	Begin Section		Fee Station		Problem Area		Water_Control_Structure

Route Number:932

Whitcomb Parking #8

From Whitcomb East Spur Road (Route 109)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
1000431	54209	Fair	Gravel	\$1,300	11-09-2012	\$23,400



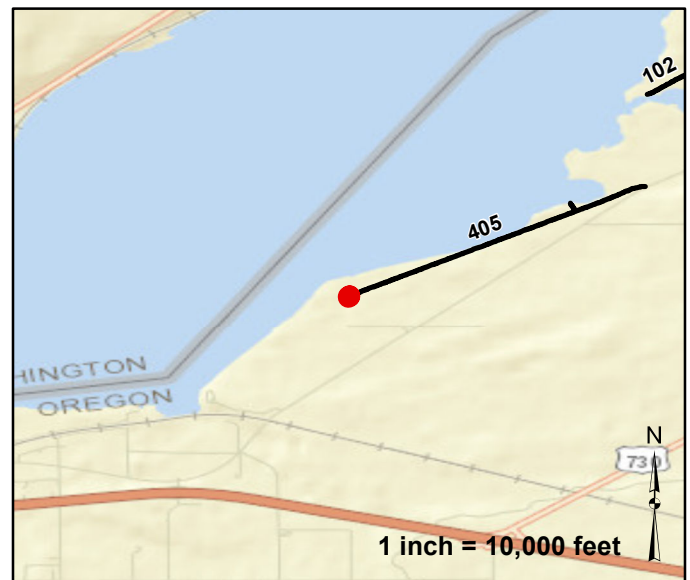
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:933

Parking Lot N

From River Road (Route 405)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	1766	Good	Gravel	\$300	11-08-2012	\$9,800



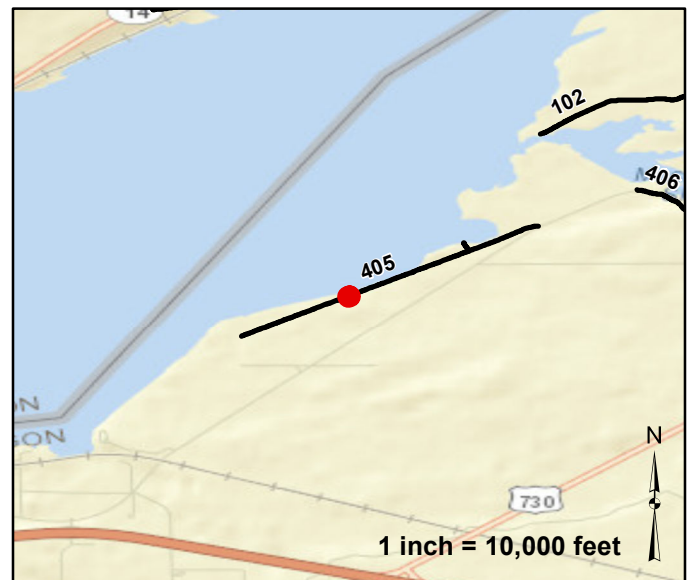
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
					Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:934

Parking Lot M

From River Road (Route 405)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	2744	Good	Gravel	\$500	11-08-2012	\$15,200



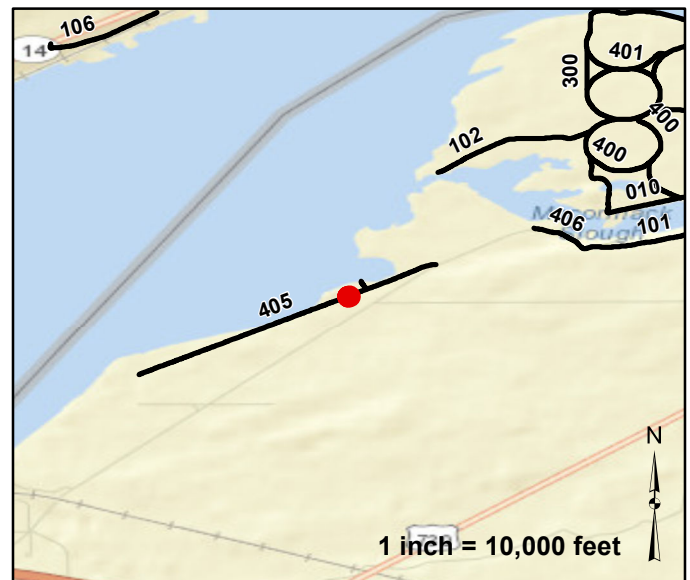
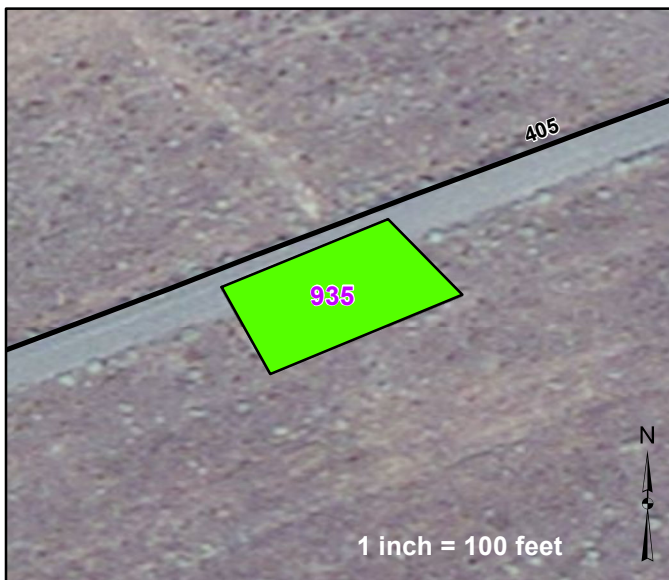
Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Visitor Center
			Admin Bldg		Guardrail		Other
			Begin Section		Fee Station		Problem Area
					Culvert		Low_Water_Crossing
					Water_Control_Structure		
							Excellent
							Good
							Fair
							Poor
							Failed

Route Number:935

Parking Lot L

From River Road (Route 405)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	3619	Good	Gravel	\$600	11-08-2012	\$20,100



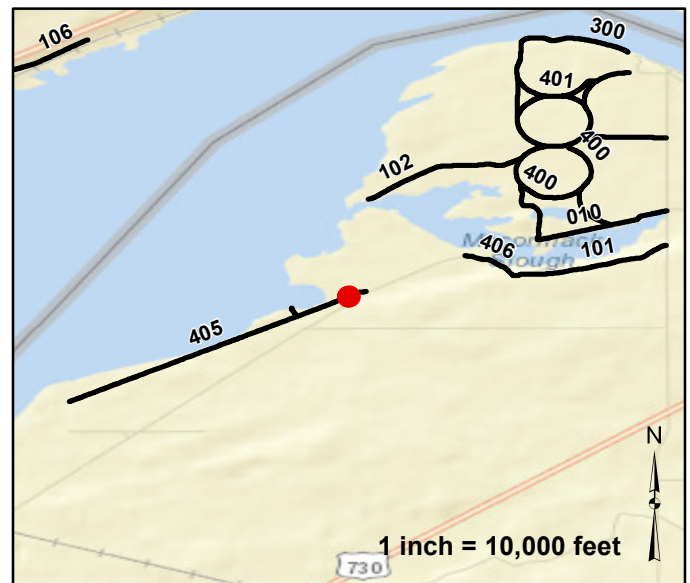
Parking		Features		Condition:	
	Gate		Boat Ramp		Excellent
	Admin Bldg		Guardrail		Good
	Begin Section		Fee Station		Fair
	Other FWS roads		Visitor Center		Poor
			Other		Failed
			Problem Area		
			Culvert		
			Low_Water_Crossing		
			Water_Control_Structure		

Route Number:936

Parking Lot K

From River Road (Route 405)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	2347	Good	Gravel	\$400	11-08-2012	\$13,000



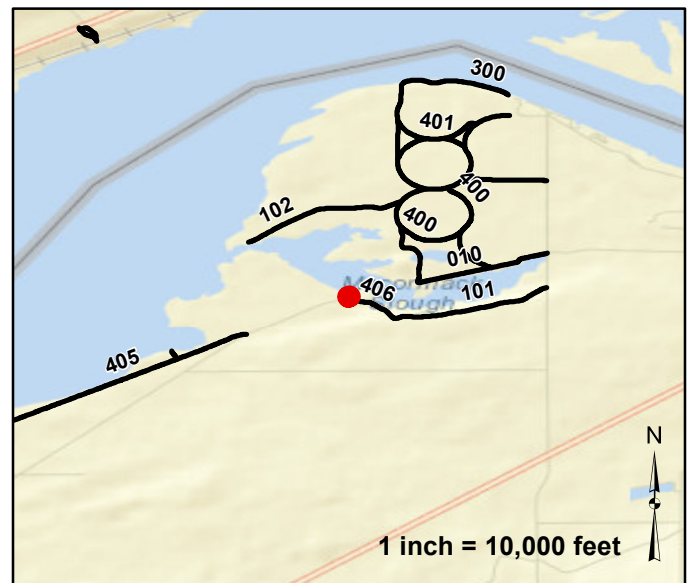
Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Visitor Center
			Admin Bldg		Guardrail		Other
			Begin Section		Fee Station		Problem Area
					Culvert		Low_Water_Crossing
					Water_Control_Structure		
							Excellent
							Good
							Fair
							Poor
							Failed

Route Number:937

Parking Lot J

From Heritage Trail East Service Road (Route 406)

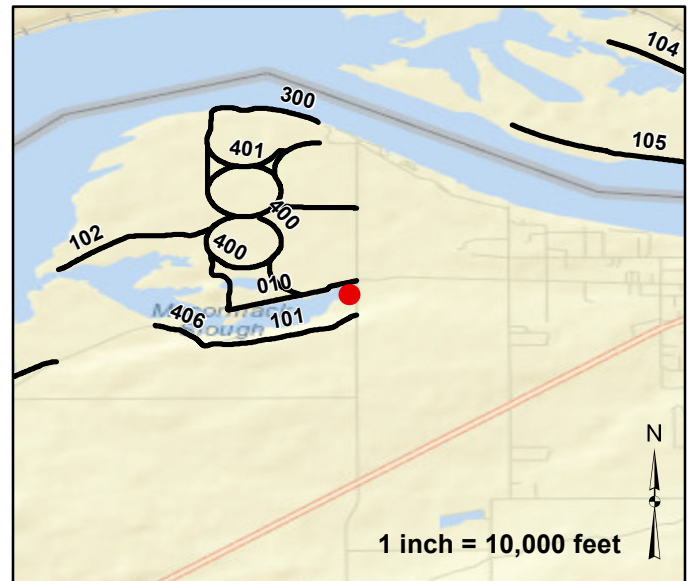
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	2099	Good	Gravel	\$400	11-08-2012	\$11,700



Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Visitor Center
			Admin Bldg		Guardrail		Other
			Begin Section		Fee Station		Problem Area
					Culvert		Low_Water_Crossing
					Water_Control_Structure		
							Excellent
							Good
							Fair
							Poor
							Failed

Route Number:938
Hunter Check Station Restroom Handicap Parking
From Paterson Ferry Road

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	397	Good	Concrete	\$100	11-08-2012	\$4,900



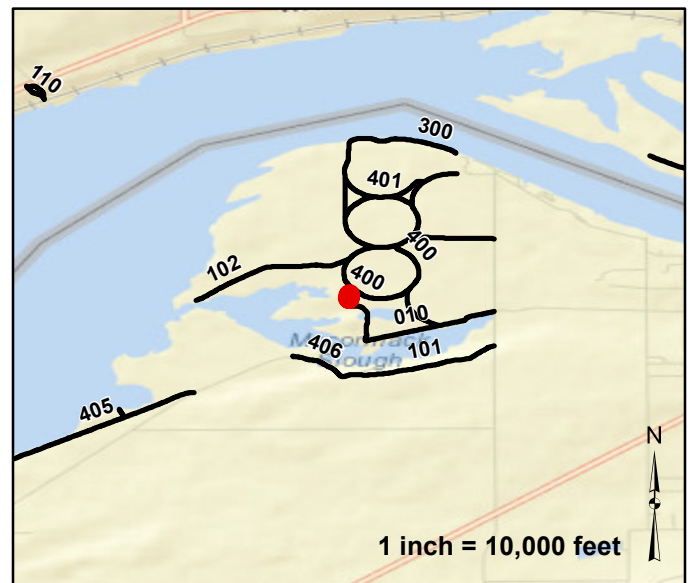
Parking		Features				Condition:	
	Other FWS roads		Gate		Boat Ramp		Visitor Center
			Admin Bldg		Guardrail		Other
			Begin Section		Fee Station		Problem Area
					Culvert		Low_Water_Crossing
					Water_Control_Structure		
							Excellent
							Good
							Fair
							Poor
							Failed

Route Number:939

Parking Lot B

From Auto Tour Route (Route 010)

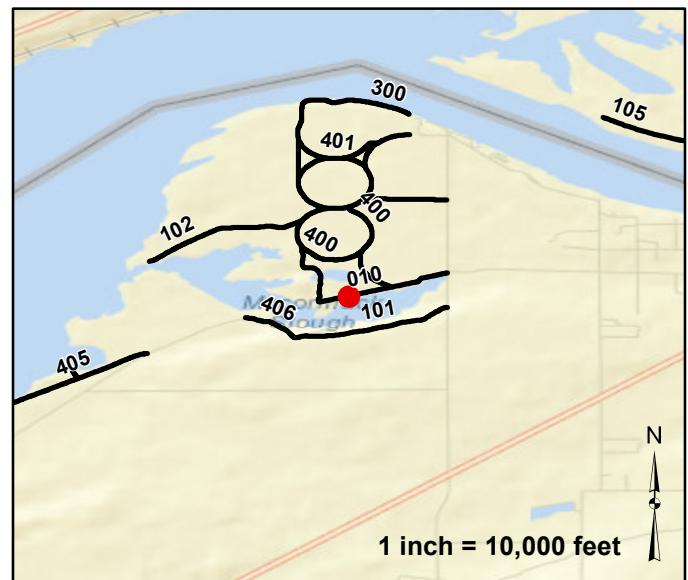
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	6354	Good	Gravel	\$1,100	11-08-2012	\$35,300



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:940
Fishing Area Parking Area
From Auto Tour Route (Route 010)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	1253	Excellent	Gravel	\$0	11-08-2012	\$7,000



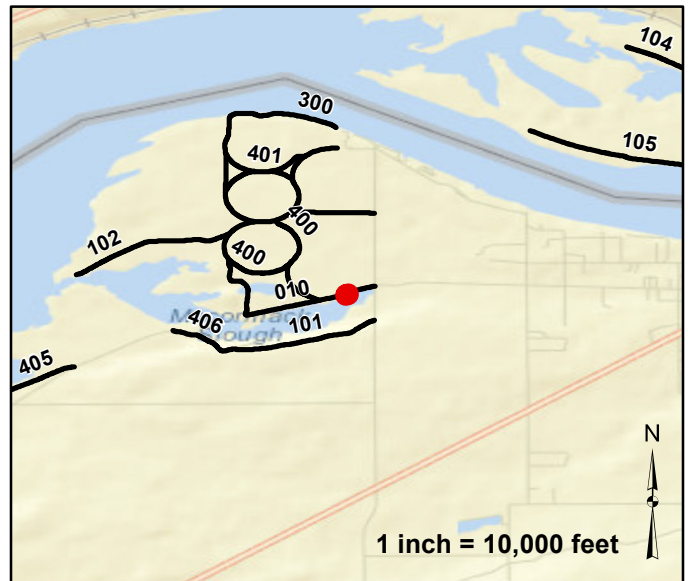
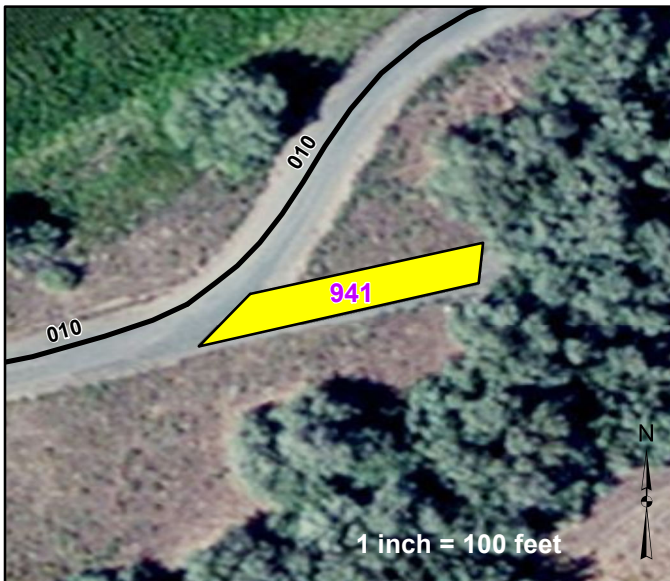
Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Route Number:941

Parking Lot E

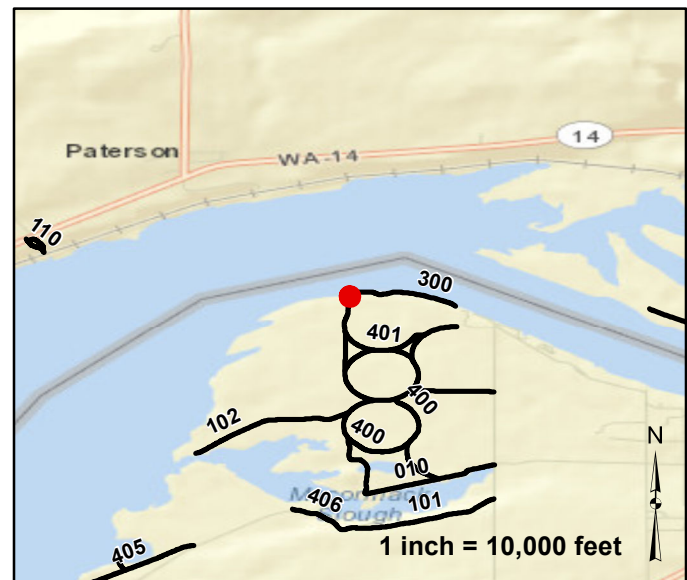
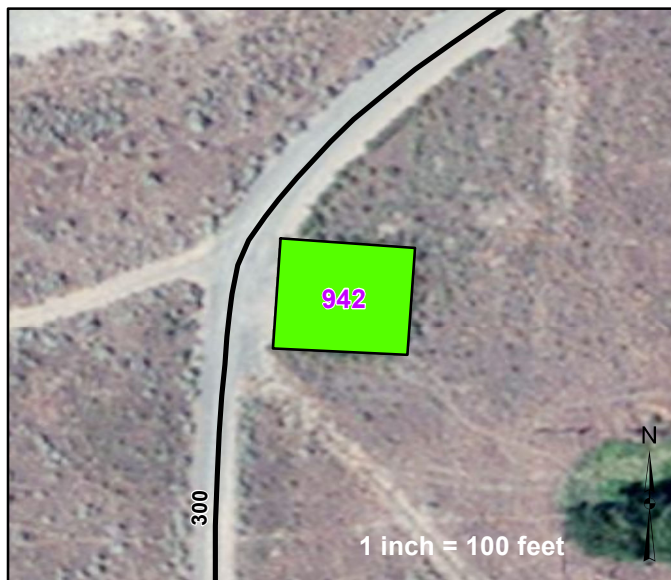
From Auto Tour Route (Route 010)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	1955	Fair	Asphalt	\$1,900	11-08-2012	\$19,900



Route Number:942
Maintenance/Shop Hunt Blind Access Parking
From Maintenance/Shop Access Road (Route 300)

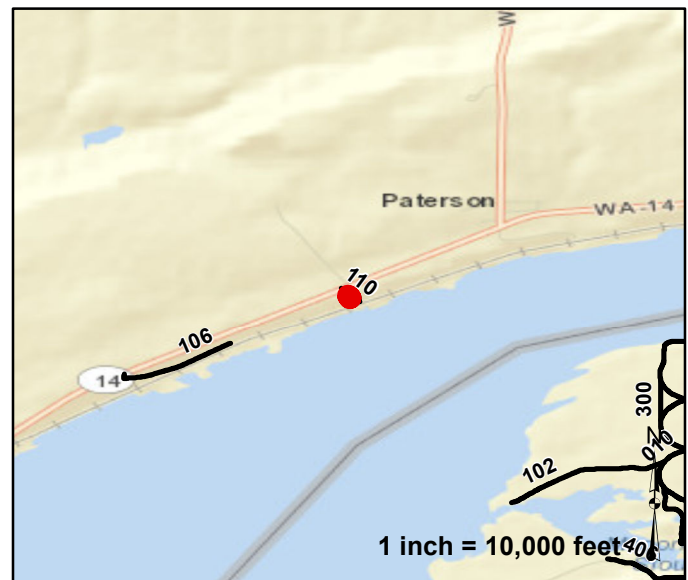
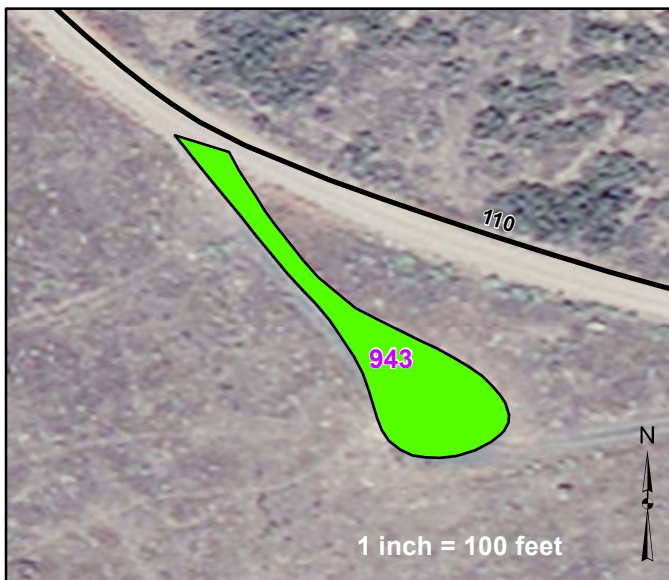
Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	2764	Good	Gravel	\$500	11-08-2012	\$15,400



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads				Culvert		Poor
					Low_Water_Crossing		Failed
					Water_Control_Structure		

Route Number:943
Ridge Unit East Overlook Parking
From East Ridge Unit Access Road (Route 110)

Asset Number	Area (Sq Ft)	Condition	Surface Type	Cost to Improve	Inspection Date	Current Replacement Value
-	3747	Good	Gravel	\$600	11-08-2012	\$20,800



Parking		Features				Condition:	
	Gate		Boat Ramp		Visitor Center		Excellent
	Admin Bldg		Guardrail		Other		Good
	Begin Section		Fee Station		Problem Area		Fair
	Other FWS roads		Culvert		Low_Water_Crossing		Poor
			Water_Control_Structure				Failed

Umatilla - 13580 Bridge Inventory					
Rte #	Milepost	NBIS #	Sufficiency Rating	Functionally Obsolete	Structurally Deficient
No bridges to report					

ROUTE: 010

Features Photographs



Photo: UMAT_C4_0716 Route: 010-001-0.0
Begin Section



Photo: UMAT_C4_0717 Route: 010-001-0.0
Metal Open Rail Gate Electric
Asset# NA



Photo: UMAT_C4_0718 Route: 010-002-1.02
Begin Section



Photo: UMAT_C4_0719 Route: 010-003-1.98
Begin Section



Photo: UMAT_C4_0720 Route: 010-004-2.69
Begin Section



Photo: UMAT_C4_0721 Route: 010-004-2.91
Metal Open Rail Gate Electric
Asset# NA

ROUTE: 011

Features Photographs



Photo: UMAT_C4_0811 Route: 011-001-0.0
Guard_Guide_Rail Guardrail Galvanized_Steel 844.0 ft long
Asset# NA



Photo: UMAT_C4_0812 Route: 011-001-0.0
Guard_Guide_Rail Guardrail Galvanized_Steel 1041.0 ft long
Asset# NA



Photo: UMAT_C4_0822 Route: 011-001-0.0
Deficiency Gate Replace Cattleguard is filled in with dirt
Asset# NA



Photo: UMAT_C4_0810 Route: 011-001-0.0
Begin Section



Photo: UMAT_C4_0822 Route: 011-001-0.0
Metal Cattle Guard
Asset# NA



Photo: UMAT_C4_0819 Route: 011-002-1.0
Begin Section

ROUTE: 101

Features Photographs



Photo: UMAT_C4_0689 Route: 101-001-0.0
Begin Section



Photo: UMAT_C4_0690 Route: 101-001-0.0
Metal Open Rail Gate Electric
Asset# NA

ROUTE: 102

Features Photographs



Photo: UMAT_C4_0741 Route: 102-001-0.0
Begin Section



Photo: UMAT_C4_0742 Route: 102-002-0.98
Begin Section

ROUTE: 103

Features Photographs



Photo: UMAT_C4_0750 Route: 103-001-0.0
Begin Section



Photo: UMAT_C4_0751 Route: 103-001-0.01
Metal Open Rail Gate
Asset# NA

ROUTE: 104

Features Photographs



Photo: UMAT_C4_0778 Route: 104-001-0.0
Begin Section



Photo: UMAT_C4_0779 Route: 104-002-0.99
Begin Section



Photo: UMAT_C4_0780 Route: 104-003-1.5
Begin Section



Photo: UMAT_C4_0781 Route: 104-004-2.48
Begin Section

ROUTE: 105

Features Photographs



Photo: UMAT_C4_0790 Route: 105-001-0.0
Begin Section



Photo: UMAT_C4_0791 Route: 105-002-1.0
Begin Section

ROUTE: 106

Features Photographs



Photo: UMAT_C4_0807 Route: 106-001-0.0
Begin Section

ROUTE: 107

Features Photographs



Photo: UMAT_C4_0832 Route: 107-001-0.0
Begin Section

ROUTE: 108

Features Photographs



Photo: UMAT_C4_0823 Route: 108-001-0.0
Begin Section

ROUTE: 109

Features Photographs



Photo: UMAT_C4_0835 Route: 109-001-0.0
Begin Section

ROUTE: 110

Features Photographs



Photo: UMAT_C4_0798 Route: 110-001-0.0
Begin Section



Photo: UMAT_C4_0799 Route: 110-001-0.01
Metal Chain Link Gate
Asset# NA



Photo: UMAT_C4_0802 Route: 110-001-0.18
Deficiency Gate Replace Gate
Asset# NA



Photo: UMAT_C4_0802 Route: 110-001-0.18
Metal Chain Link Gate
Asset# NA



Photo: UMAT_C4_0803 Route: 110-002-0.18
Begin Section

ROUTE: 300

Features Photographs



Photo: UMAT_C4_0757 Route: 300-001-0.0
Begin Section



Photo: UMAT_C4_0758 Route: 300-001-0.02
Metal Open Rail Gate
Asset# NA



Photo: UMAT_C4_0759 Route: 300-002-0.98
Begin Section



Photo: UMAT_C4_0760 Route: 300-002-1.09
Metal Cable Gate
Asset# NA



Photo: UMAT_C4_0761 Route: 300-002-1.91
Metal Open Rail Gate
Asset# NA

ROUTE: 400

Features Photographs



Photo: UMAT_C4_0738 Route: 400-001-0.0
Begin Section



Photo: UMAT_C4_0739 Route: 400-002-0.51
Begin Section

ROUTE: 401

Features Photographs



Photo: UMAT_C4_0749 Route: 401-001-0.0
Begin Section



Photo: UMAT_C4_0754 Route: 401-002-0.59
Begin Section



Photo: UMAT_C4_0755 Route: 401-003-0.32
Begin Section



Photo: UMAT_C4_0756 Route: 401-004-0.63
Begin Section

ROUTE: 402

Features Photographs



Photo: UMAT_C4_0703 Route: 402-001-0.0
Begin Section

ROUTE: 403

Features Photographs



Photo: UMAT_C4_0827 Route: 403-001-0.0
Begin Section



Photo: UMAT_C4_0828 Route: 403-002-0.09
Begin Section

ROUTE: 404

Features Photographs



Photo: UMAT_C4_0826 Route: 404-001-0.0
Begin Section

ROUTE: 405

Features Photographs



Photo: UMAT_C4_0693 Route: 405-001-0.0
Begin Section



Photo: UMAT_C4_0694 Route: 405-002-0.98
Begin Section



Photo: UMAT_C4_0695 Route: 405-003-1.98
Begin Section



Photo: UMAT_C4_0696 Route: 405-003-2.32
Metal Open Rail Gate
Asset# NA

ROUTE: 406

Features Photographs



Photo: UMAT_C4_0691 Route: 406-001-0.0
Begin Section



Photo: UMAT_C4_0692 Route: 406-001-0.0
Metal Open Rail Gate
Asset# NA

ROUTE: 800

Features Photographs



Photo: UMAT_C4_0762 Route: 800
Metal Chain Link Gate
Asset# NA



Photo: UMAT_C4_0765 Route: 800
Metal Chain Link Gate
Asset# NA

ROUTE: 905

Features Photographs



Photo: UMAT_C4_0729 Route: 905
Metal Open Rail Gate
Asset# NA

ROUTE: 909

Features Photographs



Photo: UMAT_C4_0748 Route: 909
Metal Open Rail Gate
Asset# NA

ROUTE: 910

Features Photographs



Photo: UMAT_C4_0745 Route: 910
Metal Open Rail Gate
Asset# NA

Accident Summary

Number of Accidents Reported	Timespan of Accidents	Injuries	Fatalities
0	No Accidents to Report	0	0

APPENDIX

TABLE 1 - GENERAL FWS ROAD FUNCTIONAL CLASSIFICATION	
Class I	Principal Refuge Road (Public Roads) - Routes that constitute the main access route, main auto tour route, or thoroughfare for refuge visitors. These routes are accessible by 2WD vehicles. Routes are numbered from 10 to 99.
Class II	Connector Refuge Road (Public Roads) - Routes that provide circulation within the refuge. These routes can also provide access to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, education centers, etc. These routes are accessible by 2WD vehicles. Routes are numbered from 100 to 199.
Class III	Special Purpose Refuge Road (Public Roads) - Roads that provide circulation within special use areas such as campgrounds or public concessionaire facilities or access to remote areas of the refuge. These routes may not be 2WD accessible. Routes are numbered from 200 to 299
Class IV	Administrative Access Road (Administrative Roads) - Routes intended for access to administrative developments or structures such as maintenance offices, employee quarters, or utility areas. These routes are accessible by 2WD vehicles. These routes may restrict access to the general public. Routes are numbered from 300 to 399.
Class V	Restricted Road (Administrative Roads) - Routes normally closed to the public, such as maintenance roads, service roads, patrol roads, and fire breaks. These routes may be open to the public for a short period of time for a special use, such as hunting access. These routes may not be 2WD accessible. Routes are numbered from 400 to 499.

A refuge road system contains those routes within or giving access to a refuge or other unit of the FWS that are administered by the FWS, or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a refuge road is not based on traffic volumes or design speed, but on the intended use or function of that route

DESCRIPTION OF RATING SYSTEM

Rating Data is collected on four different surface types: Asphalt, Concrete, Gravel, and Native. The Utah LTAP Center's Remaining Service Life (RSL) system is used for all surface types. The RSL system is based on the Strategic Highway Research Program's (SHRP) Distress Identification Manual.

Asphalt Rating System

Data is collected on the following distresses and conditions:

- **Fatigue Cracking** - Interconnected cracks forming small irregular shapes.
- **Longitudinal Cracking** - Cracks running parallel with the roadway, in the direction of traffic.
- **Transverse Cracking** - Cracks perpendicular to the roadway, going across the lane or lanes.
- **Block Cracking** - Interconnected cracks forming large blocks.
- **Edge Cracking** - Cracks running along the edge of the pavement surface.
- **Patches** - Original surface repaired with new asphalt patch material.
- **Potholes** - Holes or depressions in the pavement.
- **Rutting** - surface depressions in the wheel paths.
- **Roughness** - Evenness of pavement for serviceability.
- **Drainage** - Ability of the road surface to drain water based on proper slope.

A Condition Rating value is calculated for each homogenous pavement section, and can be up to 1 mile in length.

Rating Index Formula

Fatigue, longitudinal, transverse, block, and edge cracking, along with patching and potholes are rated on a 0 - 9 scale (0 = no distress, 9 = maximum distress). The rating given is based on the extent and the severity of the distress. Rutting, roughness, and drainage are rated on a 0 - 3 scale (0 = excellent, 3 = poor). Each distress type has given Remaining Service Life (RSL) values (in years) based on the rating for that particular distress. The distress with the rating resulting in the lowest RSL value is considered to be the governing distress. That value is then assigned as the RSL of the road segment.

Concrete Rating System

Data is collected on the following distresses and conditions:

- **Spalling of Joints** - Chipping, breaking, or cracking of slab edges
- **Joint Seal Damage** - Any damage or condition that enables materials or water to infiltrate into the joint from the surface.
- **Corner Breaks** - A portion of the slab separated by a crack that intersects the adjacent transverse and longitudinal joints, forming approximately a 45° angle to the direction.
- **Broken Slabs** - Faulting and/or cracking localized to individual slabs.

- **Faulting** – Difference in elevation across a crack or joint.
- **Longitudinal Cracking** – Cracks in the pavement running parallel to road.
- **Transverse Cracking** - Cracks in the pavement running perpendicular to the direction of traffic.
- **Patch Deterioration** – Faulting, settling, or cracking of previously placed patch
- **Map Cracking** – A series of cracks that extend only into the upper surface of the Slab

A Condition Rating value is calculated for each homogenous pavement section, and can be up to 1 mile in length.

Rating Index Formula

The rating procedure for concrete pavement is the same as that for asphalt pavement described previously. Each of the distresses described above are rated on the same 0 – 9 scale. The governing distress is then determined and the RSL associated with that distress is assigned to the road segment.

Gravel and Native Rating System

Data is collected on the following distresses and conditions:

- **Cross Section (Crown)** - Roadway built so that the center is higher than the shoulder, to prevent water from pooling on roadway.
- **Roadside Drainage** - Roadside ditches and culverts to handle water flow and prevent pooling on the roadside.
- **Corrugations (Washboarding)** - Small trenches or holes developing perpendicular to the roadway.
- **Potholes** - Holes or depressions in the roadway.
- **Rutting** - Depressions running parallel with the roadway, in the wheelpaths.
- **Dust** - Amount of dust caused by traffic.
- **Loose Aggregate (Gravel Only)** - Loose gravel, typically piled up on the roadway edges or centerline.

A Condition Rating value is calculated for each homogenous pavement section, and can be up to 1 mile in length.

Rating Index Formula

The rating procedure for unpaved roads is the same as that for asphalt and concrete pavements described previously. Of the distresses described above, corrugations, potholes, rutting, and loose aggregate are rated on the same 0 – 9 scale previously mentioned. Cross section, roadside drainage, and dust are rated on the same 0 – 3 scale described for asphalt pavement. The governing distress is then determined and the RSL associated with that distress is assigned to the road segment.

Condition Descriptions by Surface Type

The following definitions are used to describe pavement condition for the various surface types. These are general guidelines for condition indications.

Asphalt

Excellent – Recently constructed or overlaid road where construction or overlay was performed correctly- No maintenance required. RSL = 19-20 years.

Good – Low extent longitudinal and transverse cracks. All cracks are 1/4" or less with little or no crack erosion. Patches are in good condition and applied correctly. Routine Maintenance recommended. RSL = 13-18 years.

Fair - Roads are in good structural condition with little or no fatigue cracking. Longitudinal, transverse, and edge cracking is at medium extent and severity. Block cracking is not extensive. Any patches are in good condition. Preventative maintenance recommended. RSL = 7-12 years.

Poor - Road beginning to show signs of structural distress. Fatigue cracking is medium to high extent and medium severity. Cracking will be severe. Surface may have severe block cracking and show. Patches are in fair to poor condition. There is moderate distortion or rutting and occasional potholes. Rehabilitation recommended. RSL = 1-6 years.

Failed - Road is severely deteriorated. Signs of structural failure appear along with severe and extensive fatigue cracking, distortion, potholes, or extensive patches in poor condition. Reconstruction recommended. RSL = 0 years.

Concrete

Excellent - New pavement. No maintenance required. RSL = 19-20 years

Good - First signs of transverse cracking, patch or repair, more extensive pop-outs, or scaling. Sealing or routine maintenance recommended. RSL = 13-18 years.

Fair – Pavement has joint or crack spalling, and/or faulting, along with cracking at corners with broken pieces. Any Patches are in fair condition and faulting is at a minimum. Preventative maintenance recommended. RSL = 7-12 years.

Poor - Joints and cracks are open 1 inch, spalled, or patched. Faulting is more severe. Rehabilitation recommended. RSL = 1-6 years.

Failed - Most slabs have failed structurally, and faulting is severe. Reconstruction recommended. RSL = 0 years.11-9

The following table shows the relationship between RSL and condition.

SUBJECTIVE CONDITION RATING FOR REMAINING SERVICE LIFE (Asphalt and Concrete Pavements)								
	FAILED	POOR		FAIR		GOOD		EXCELLENT
RSL Years	0	1-3	4-6	7-9	10-12	13-15	16-18	19-20

Gravel and Native

Note - Native surfaces do not have a gravel layer.

Excellent - Newly constructed road that has been constructed properly with proper crown, drainage and gravel layer. Little or no distress. No maintenance recommended. RSL = 8-10 years.

Good - Crown, drainage provisions, and gravel layer are in good condition. Distress limited to traffic effects such as dust, loose aggregate, and low severity corrugations (wash boarding). RSL = 5-7 years.

Fair - Adequate drainage and crown through majority of roadway. Crown repair, ditch improvement may be necessary. Road has more severe corrugations and potholes. Preventative maintenance recommended. RSL = 3-4 years.

Poor - Travel at slow speeds is necessary. Additional gravel layer needed to carry traffic. Poor crown. Ditching is inadequate and rutting is extensive and severe. Rehabilitation recommended. RSL = 1-2 years.

Failed - Travel is difficult, and road may be closed at times. Rutting and Corrugations are very severe. Total Reconstruction of road is recommended. RSL = 0 years.

The following table shows the RSL values for gravel and native roads in terms of excellent, good, fair, poor, and failed condition.

SUBJECTIVE CONDITION RATING FOR REMAINING SERVICE LIFE (Gravel and Native Surfaces)					
	FAILED	POOR	FAIR	GOOD	EXCELLENT
RSL Years	0	1-2	3-4	5-7	8-10

NATIVE PRIMITIVE/IMPROVED RATING SHEET

Cross Section (Crown)*

Severity	Condition		Description
	No Defects	0	Crown 4-6" with no restriction of water flow from centerline to ditch.
	Minor Defects	1	Inadequate or inconsistent crown. Drainage to ditch may be restricted.
	Moderate Defects	2	Flat crown, drainage to ditch restricted.
	Major Defects	3	Reverse crown, bowl-shaped road, drainage on roadway

Rutting

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 6"	1	2	3
	Med 6-12"	4	5	6
	High > 12"	7	8	9

Roadside Drainage*

Severity	Condition		Description
	No Defects	0	Wide, deep ditches (>4') with no restriction to water flow.
	Minor Defects	1	Adequate ditches (>2' deep), minor obstructions restrict water flow.
	Moderate Defects	2	Shallow, narrow and obstructed ditches. Minor erosion of road.
	Major Defects	3	No ditch, drainage on roadway with moderate to severe erosion.

Potholes

Severity	Extent (Area)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 6"	1	2	3
	Med 6-12"	4	5	6
	High > 12"	7	8	9

Dust

Severity	Condition		Description
	No Defects	0	No obstruction to sight distance.
	Minor Defects	1	Sight distance > 550'
	Moderate Defects	2	Sight distance 225'-550'
	Major Defects	3	Sight distance < 225'

Corrugations

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 3"	1	2	3
	Med 3-6"	4	5	6
	High > 6"	7	8	9

* Crown and Drainage are not rated for roads that have no constructed crown or drainage. This applies to Native and Gravel roads.

GRAVEL RATING SHEET

Cross Section (Crown)

Severity	Condition		Description
	No Defects	0	Crown 4-6" with no restriction of water flow from centerline to ditch.
	Minor Defects	1	Inadequate or inconsistent crown. Drainage to ditch may be restricted.
	Moderate Defects	2	Flat crown, drainage to ditch restricted.
	Major Defects	3	Reverse crown, bowl-shaped road, drainage on roadway

Rutting

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 1"	1	2	3
	Med 1-3"	4	5	6
	High > 3"	7	8	9

Roadside Drainage

Severity	Condition		Description
	No Defects	0	Wide, deep ditches (>4') with no restriction to water flow.
	Minor Defects	1	Adequate ditches (>2' deep), minor obstructions restrict water flow.
	Moderate Defects	2	Shallow, narrow and obstructed ditches. Minor erosion of road.
	Major Defects	3	No ditch, drainage on roadway with moderate to severe erosion.

Potholes

Severity	Extent (Area)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 1"	1	2	3
	Med 1-3"	4	5	6
	High > 3"	7	8	9

Dust

Severity	Condition		Description
	No Defects	0	No obstruction to sight distance.
	Minor Defects	1	Sight distance > 550'
	Moderate Defects	2	Sight distance 225'-550'
	Major Defects	3	Sight distance < 225'

Corrugations

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 2"	1	2	3
	Med 2-4"	4	5	6
	High > 4"	7	8	9

* Crown and Drainage are not rated for roads that have no constructed crown or drainage. This applies to Native and Gravel roads.

Loose Aggregate

Severity	Extent (Area)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low < 1"	1	2	3
	Med 1-3"	4	5	6
	High > 3"	7	8	9

ASPHALT RATING SHEET

Fatigue Cracking

Severity	Extent			
	No Defects	Low 1 crack WP	Med 2 cracks WP	High >30% length
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Edge Cracking

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	0-6" from curb	1	2	3
	6-18" from curb	4	5	6
	> 18" from curb	7	8	9

Longitudinal Cracking

Severity	Extent			
	No Defects	Low 1 crack full length	Med 2 cracks full length	High >2 cracks full length
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Block Cracking

Severity	Extent (Length)			
	No Defects	Low > 15x15' squares	Med 15-10' squares	High <10x10' squares
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Transverse Cracking

Severity	Extent (ft between cracks)			
	No Defects	Low > 200'	Med 200-50'	High < 50'
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Utility Cuts

Severity	Extent (Length)			
	No Defects	Low <10%	Med 10-30%	High >30%
	Low-Cracks < 1/4"	1	2	3
	Med-Cracks 1/4-3/4"	4	5	6
	High-Cracks > 3/4"	7	8	9

Drainage/Roughness/Rutting

Severity	Condition		Description
	No Defects	0	Wide, deep ditches with no obstructions, smooth ride, no rutting, no potholes.
	Minor Defects	1	Drainage may be obstructed, < 1" rutting, minor roughness.
	Moderate Defects	2	Poor drainage, 1-2" rutting, noticeable roughness, potholes < 6" wide.
	Major Defects	3	No drainage; > 2" rutting; potholes 6-12" wide create roughness requiring reduced speeds.

CONCRETE RATING SHEET

Spalling of Joints

Extent (% joints)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low Spalls < 3"	1	2	3
	Med Spalls 3-6"	4	5	6
	High Spalls > 6"	7	8	9

Broken Slabs

Extent (% slabs)				
No Defects	Low <5%	Med 5-15%	High >15%	
Severity	Low-no more than 3 pieces, no spalling/faulting	1	2	3
	Med-broken into >3 pieces, spalling/faulting <1/4"	4	5	6
	High-4 or more pieces, spalling/faulting >1/4"	7	8	9

Transverse Cracks

Extent (% slabs)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low-Cracks < 1/8"; no spalling/faulting	1	2	3
	Med-Cracks 1/8-1/2"; spall <3", fault >1/4"	4	5	6
	High-Cracks > 1/2"; spall >3", fault >1/4"	7	8	9

Joint Seal Damage

Extent (%joints)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low <10% joint length	1	2	3
	Med 10-50% joint length	4	5	6
	High >50% joint length	7	8	9

Faulting

Extent (Length)				
No Defects	Low <10%	Med 10-30%	High >30%	
Severity	Low < 1/2"	1	2	3
	Med 1/2-1"	4	5	6
	High > 1"	7	8	9

Patch Deterioration

Extent (Area)				
No Defects	Low <10%	Med 10-30%	High >30%	
Severity	Low-no fault, no settle at perimeter	1	2	3
	Med-fault & settle <1/4" at perimeter	4	5	6
	High-fault & settle >1/4" at perimeter, cracked patch	7	8	9

Corner Breaks

Extent (% of slabs)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low-corner cracks, no spalling or faulting	1	2	3
	Med-crack slightly spalled & faulted <1/4"	4	5	6
	High-crack highly spalled & faulted >1/4"	7	8	9

Longitudinal Cracks

Extent (% slabs)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low-Cracks < 1/8"; no spalling/faulting	1	2	3
	Med-Cracks 1/8-1/2"; spall <3", fault >1/2"	4	5	6
	High-Cracks > 1/2"; spall >3", fault >1/2"	7	8	9

Map Cracks

Extent (Area)				
No Defects	Low <10%	Med 10-20%	High >20%	
Severity	Low-small connected cracks, no spalling	1	2	3
	Med-connected cracks, no spalling	4	5	6
	High-large connected cracks with surface spalling	7	8	9

Deficiency Ratings With Associated Remaining Service Life

Asphalt Rating Sheet

Fatigue Cracking		Edge Cracking		Transverse Cracking		Utility Cuts	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	20	0	20	0	20	0	20
1	10	1	12	1	14	1	14
2	8	2	10	2	12	2	12
3	6	3	8	3	10	3	10
4	8	4	10	4	12	4	12
5	6	5	8	5	10	5	10
6	4	6	6	6	8	6	8
7	6	7	8	7	10	7	10
8	2	8	6	8	6	8	6
9	0	9	4	9	2	9	2

Longitudinal Cracking		Block Cracking		Drainage/Roughness/Rutting	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	20	0	20	0	20
1	14	1	12	1	16
2	12	2	10	2	10
3	10	3	8	3	4
4	12	4	10		
5	10	5	8		
6	8	6	6		
7	10	7	12		
8	8	8	6		
9	6	9	2		

Concrete Rating Sheet

Spalling		Broken Slabs		Transverse Cracks	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	20	0	20	0	20
1	15	1	15	1	18
2	12	2	12	2	15
3	10	3	10	3	12
4	12	4	12	4	15
5	10	5	10	5	10
6	8	6	8	6	6
7	10	7	10	7	10
8	6	8	6	8	4
9	0	9	0	9	0

Joint Seal Damage		Faulting		Patch Deterioration	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	20	0	20	0	18
1	16	1	15	1	16
2	14	2	12	2	14
3	12	3	10	3	12
4	14	4	12	4	12
5	10	5	8	5	10
6	8	6	6	6	8
7	12	7	10	7	10
8	8	8	4	8	6
9	6	9	0	9	0

Corner Breaks		Longitudinal Cracks		Map Cracks	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	18	0	20	0	20
1	16	1	18	1	18
2	14	2	15	2	15
3	12	3	12	3	12
4	12	4	15	4	12
5	10	5	10	5	10
6	8	6	6	6	6
7	10	7	10	7	10
8	6	8	4	8	4
9	0	9	0	9	0

SUBJECTIVE CONDITION RATING FOR REMAINING SERVICE LIFE IN YEARS (Asphalt & Concrete Roads)

RSL	FAILED 0	POOR 1 - 6	FAIR 7 - 12	GOOD 13 - 18	EXCELLENT 19 - 20
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Deficiency Ratings With Associated Remaining Service Life

Native Primitive Improved Rating Sheet

Cross Section		Rutting		Roadside Drainage	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	10	0	10	0	10
1	7	1	9	1	8
2	5	2	7	2	4
3	0	3	5	3	0
		4	7		
		5	4		
		6	3		
		7	4		
		8	2		
		9	0		

Potholes		Dust		Corrugations	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	10	0	10	0	10
1	9	1	8	1	9
2	7	2	6	2	7
3	5	3	2	3	7
4	7			4	6
5	4			5	5
6	3			6	5
7	4			7	4
8	2			8	3
9	0			9	0

Gravel Rating Sheet

Cross Section		Rutting		Roadside Drainage	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	10	0	10	0	10
1	7	1	9	1	8
2	5	2	7	2	4
3	0	3	5	3	0
		4	7		
		5	4		
		6	3		
		7	4		
		8	2		
		9	0		

Potholes		Dust		Corrugations	
Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life	Distress Rating	Remaining Service Life
0	10	0	10	0	10
1	9	1	8	1	9
2	7	2	6	2	7
3	5	3	2	3	7
4	7			4	6
5	4			5	5
6	3			6	5
7	4			7	4
8	2			8	3
9	0			9	0

Loose Aggregate	
Distress Rating	Remaining Service Life
0	10
1	9
2	8
3	7
4	8
5	7
6	6
7	5
8	3
9	0

SUBJECTIVE CONDITION RATING FOR REMAINING SERVICE LIFE IN YEARS (Gravel & Native Roads)

RSL	FAILED	POOR	FAIR	GOOD	EXCELLENT
	0	1 - 2	3 - 4	5 - 7	8 - 10